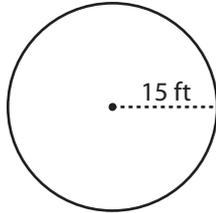


**Circle - Area**

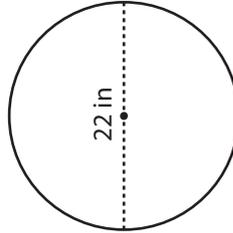
Radius/Diameter Easy: S1

Find the exact area of each circle.

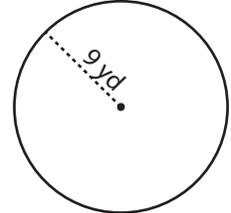
1)

Area = 

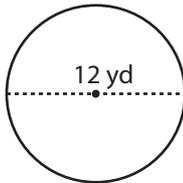
2)

Area = 

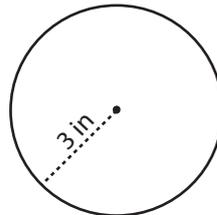
3)

Area = 

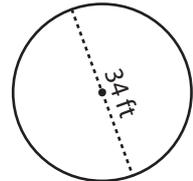
4)

Area = 

5)

Area = 

6)

Area = 

7) If the radius is 10 ft, what will be the area of the circle?

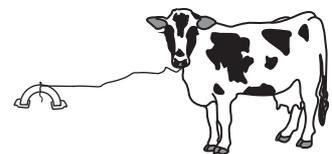
- a)  $100\pi \text{ ft}^2$     b)  $400\pi \text{ ft}^2$     c)  $25\pi \text{ ft}^2$     d)  $2\pi \text{ ft}^2$

8) What is the area of a circle with a diameter of 16 in?

- a)  $256\pi \text{ in}^2$     b)  $64\pi \text{ in}^2$     c)  $32\pi \text{ in}^2$     d)  $16\pi \text{ in}^2$

9) A cow is tethered with a rope 20 ft long. What is the maximum area the cow can graze?

Area = \_\_\_\_\_

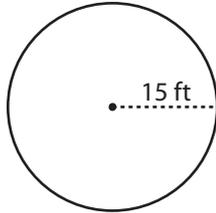


**Answer Key****Circle - Area**

Radius/Diameter Easy: S1

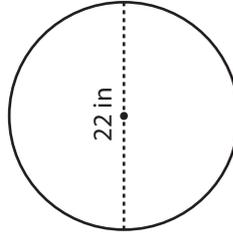
Find the exact area of each circle.

1)



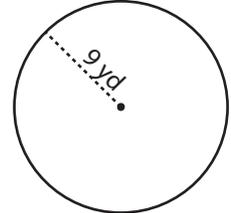
Area =  $225\pi \text{ ft}^2$

2)



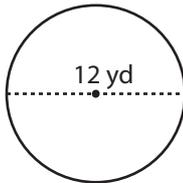
Area =  $121\pi \text{ in}^2$

3)



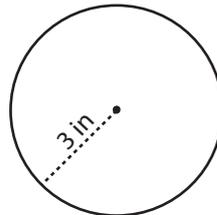
Area =  $81\pi \text{ yd}^2$

4)



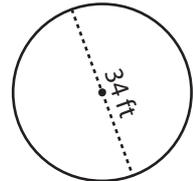
Area =  $36\pi \text{ yd}^2$

5)



Area =  $9\pi \text{ in}^2$

6)



Area =  $289\pi \text{ ft}^2$

7) If the radius is 10 ft, what will be the area of the circle?

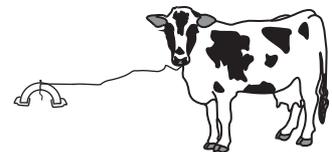
- a)  $100\pi \text{ ft}^2$     b)  $400\pi \text{ ft}^2$     c)  $25\pi \text{ ft}^2$     d)  $2\pi \text{ ft}^2$

8) What is the area of a circle with a diameter of 16 in?

- a)  $256\pi \text{ in}^2$     b)  $64\pi \text{ in}^2$     c)  $32\pi \text{ in}^2$     d)  $16\pi \text{ in}^2$

9) A cow is tethered with a rope 20 ft long. What is the maximum area the cow can graze?

Area =  $400\pi \text{ ft}^2$

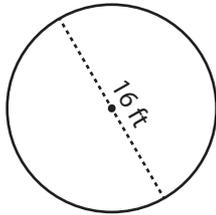


**Circle - Area**

Radius/Diameter Easy: S2

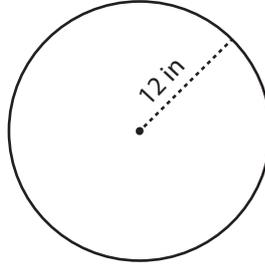
Find the exact area of each circle.

1)



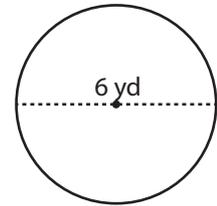
Area = \_\_\_\_\_

2)



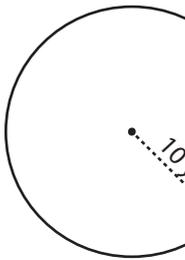
Area = \_\_\_\_\_

3)

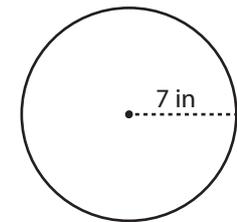


Area = \_\_\_\_\_

4)



Area = \_\_\_\_\_



Area = \_\_\_\_\_

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7) If the r

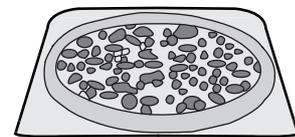
a)  $4\pi$  in

8) What i

- a)  $676\pi$  yd<sup>2</sup>    b)  $52\pi$  yd<sup>2</sup>    c)  $26\pi$  yd<sup>2</sup>    d)  $169\pi$  yd<sup>2</sup>

9) The diameter of the pizza is 45 in. What is the maximum area available for toppings?

Area = \_\_\_\_\_

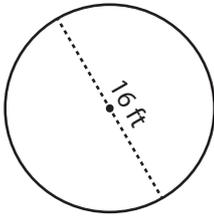


**Answer Key****Circle - Area**

Radius/Diameter Easy: S2

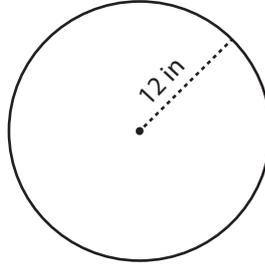
Find the exact area of each circle.

1)



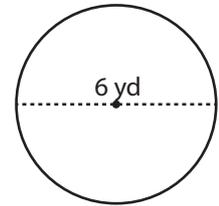
Area =  $64\pi \text{ ft}^2$

2)

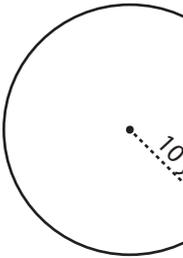


Area =  $9\pi \text{ yd}^2$

3)



4)



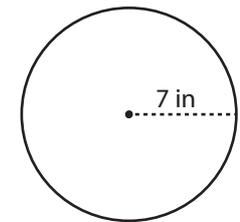
Area =  $100\pi \text{ yd}^2$

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Area =  $49\pi \text{ in}^2$

7) If the r

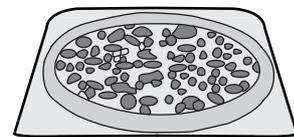
a)  $4\pi \text{ in}^2$ 

8) What i

a)  $676\pi \text{ yd}^2$ b)  $52\pi \text{ yd}^2$ c)  $26\pi \text{ yd}^2$ **d)  $169\pi \text{ yd}^2$** 

9) The diameter of the pizza is 45 in. What is the maximum area available for toppings?

Area =  $506.25\pi \text{ in}^2$

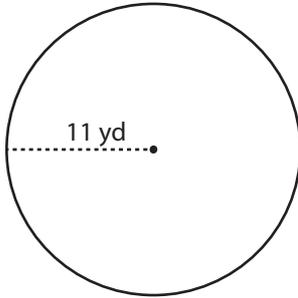


**Circle - Area**

Radius/Diameter Easy: S3

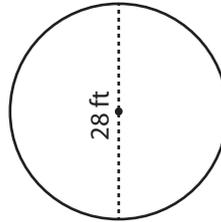
Find the exact area of each circle.

1)



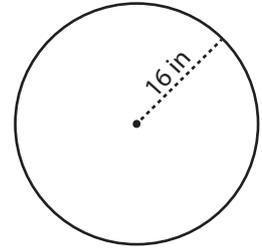
Area =

2)

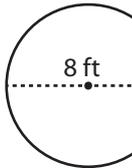


Area =

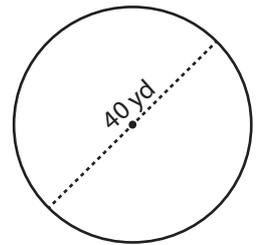
3)



4)



Area =



Area =

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7) If the r

a)  $81\pi$

8) What i

a)  $900\pi \text{ in}^2$

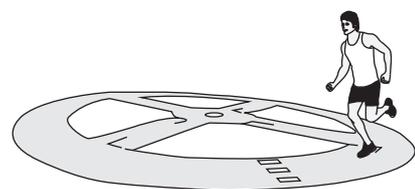
b)  $60\pi \text{ in}^2$

c)  $225\pi \text{ in}^2$

d)  $125\pi \text{ in}^2$

9) Steven jogs around a circular field with a diameter of 70 yd. Find the area of the field.

Area = \_\_\_\_\_

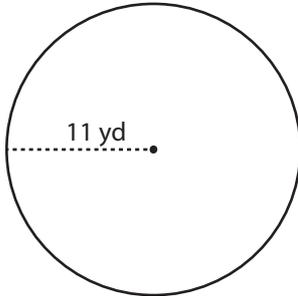


**Answer Key****Circle - Area**

Radius/Diameter Easy: S3

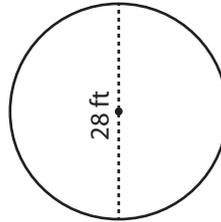
Find the exact area of each circle.

1)



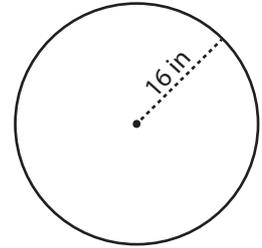
Area =  $121\pi \text{ yd}^2$

2)

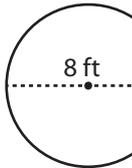


Area =  $256\pi \text{ in}^2$

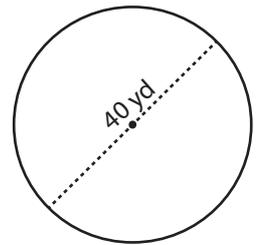
3)



4)



Area =  $16\pi \text{ ft}^2$



Area =  $400\pi \text{ yd}^2$

7) If the r

a)  $81\pi$ 

8) What i

a)  $900\pi \text{ in}^2$ b)  $60\pi \text{ in}^2$ c)  $225\pi \text{ in}^2$ d)  $125\pi \text{ in}^2$ **PREVIEW**

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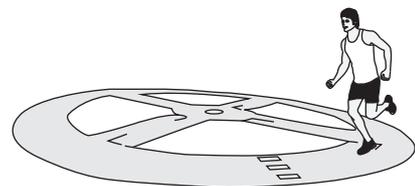
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9) Steven jogs around a circular field with a diameter of 70 yd. Find the area of the field.

Area =  $1225\pi \text{ yd}^2$

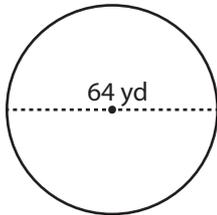


**Circle - Area**

Radius/Diameter Moderate: S1

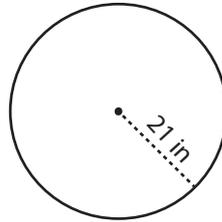
Find the area of each circle. Round the answer to tenth decimal place. ( use  $\pi = 3.14$  )

1)



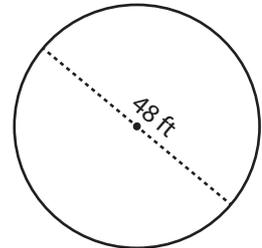
Area = \_\_\_\_\_

2)



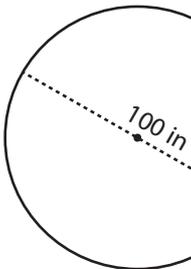
Area = \_\_\_\_\_

3)

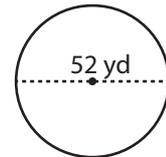


Area = \_\_\_\_\_

4)



Area = \_\_\_\_\_



Area = \_\_\_\_\_

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7) If the r

a) 9498

8) What i

- a) 188.4 yd<sup>2</sup>    b) 11304 yd<sup>2</sup>    c) 2826 yd<sup>2</sup>    d) 376.8 yd<sup>2</sup>

9) If a goat is tethered with a rope 28 ft long, what will be the maximum area the goat can graze?



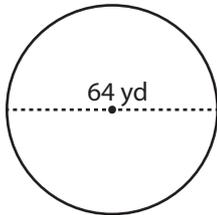
Area = \_\_\_\_\_

**Answer Key****Circle - Area**

Radius/Diameter Moderate: S1

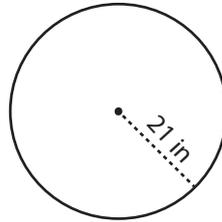
Find the area of each circle. Round the answer to tenth decimal place. ( use  $\pi = 3.14$  )

1)



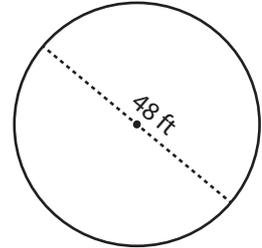
Area = **3215.4** yd<sup>2</sup>

2)

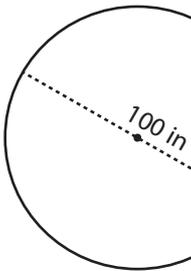


Area = **1808.6** ft<sup>2</sup>

3)



4)



Area = **7850** in<sup>2</sup>

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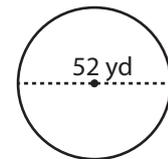
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Area = **2122.6** yd<sup>2</sup>

7) If the r

a) **949**

8) What i

a) 188.4 yd<sup>2</sup>    b) 11304 yd<sup>2</sup>    **c) 2826 yd<sup>2</sup>**    d) 376.8 yd<sup>2</sup>

9) If a goat is tethered with a rope 28 ft long, what will be the maximum area the goat can graze?



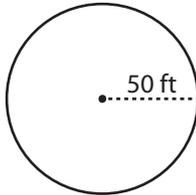
Area = **2461.8** ft<sup>2</sup>

**Circle - Area**

Radius/Diameter Moderate: S2

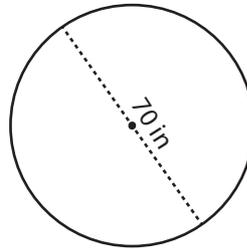
Find the area of each circle. Round the answer to tenth decimal place. ( use  $\pi = 3.14$  )

1)



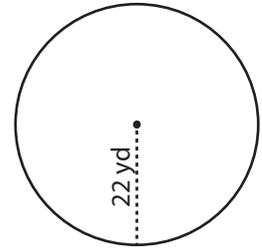
Area = \_\_\_\_\_

2)

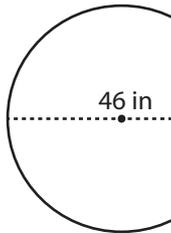


Area = \_\_\_\_\_

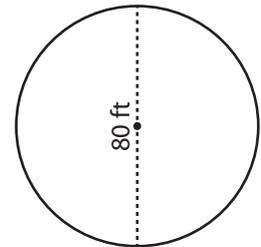
3)



4)



Area = \_\_\_\_\_



Area = \_\_\_\_\_

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7) If the r

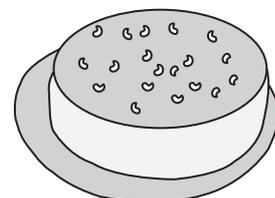
a) 1193

8) What i

- a) 163.28 yd<sup>2</sup>    b) 2122.64 yd<sup>2</sup>    c) 8490.56 yd<sup>2</sup>    d) 322.56 yd<sup>2</sup>

9) The diameter of the pudding is 94 in. What is the maximum area available for toppings?

Area = \_\_\_\_\_



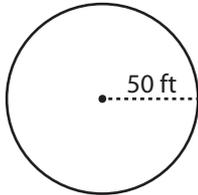
**Answer Key**

**Circle - Area**

Radius/Diameter Moderate: S2

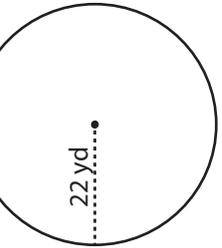
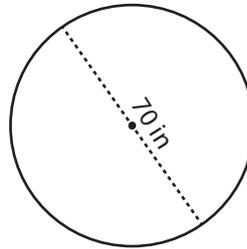
Find the area of each circle. Round the answer to tenth decimal place. ( use  $\pi = 3.14$  )

1)



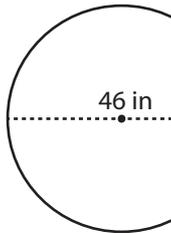
Area = **7850 f**

2)

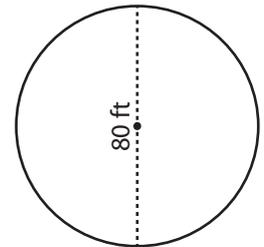


Area = **1519.8 yd<sup>2</sup>**

4)



Area = **1661.1 i**



Area = **5024 ft<sup>2</sup>**

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7) If the r

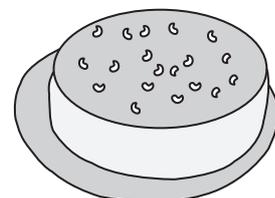
a) 1193

8) What i

- a) 163.28 yd<sup>2</sup>   **b) 2122.64 yd<sup>2</sup>**   c) 8490.56 yd<sup>2</sup>   d) 322.56 yd<sup>2</sup>

9) The diameter of the pudding is 94 in. What is the maximum area available for toppings?

Area = **6936.3 in<sup>2</sup>**

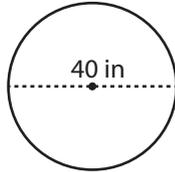


**Circle - Area**

Radius/Diameter Moderate: S3

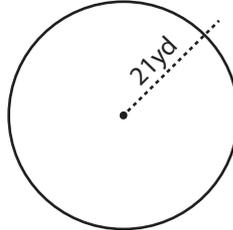
Find the area of each circle. Round the answer to tenth decimal place. ( use  $\pi = 3.14$  )

1)



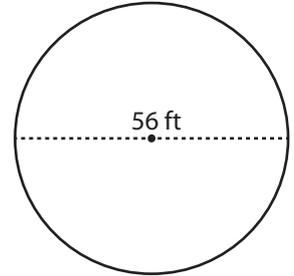
Area = \_\_\_\_\_

2)

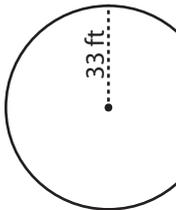


Area = \_\_\_\_\_

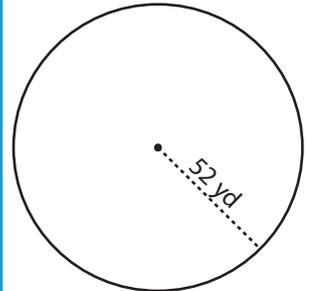
3)



4)



Area = \_\_\_\_\_



Area = \_\_\_\_\_

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7) If the r

a) 5278

8) What i

- a) 427 ft<sup>2</sup>      b) 213.5 ft<sup>2</sup>      c) 14519.4 ft<sup>2</sup>      d) 3629.8 ft<sup>2</sup>

9) Marlene jogs around a circular path with a radius of 31 yd. Find the area of the field.

Area = \_\_\_\_\_

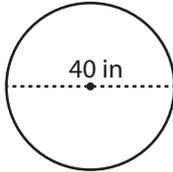


**Answer Key****Circle - Area**

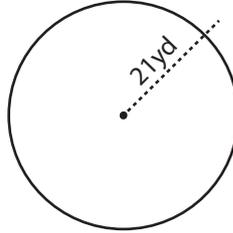
Radius/Diameter Moderate: S3

Find the area of each circle. Round the answer to tenth decimal place. ( use  $\pi = 3.14$  )

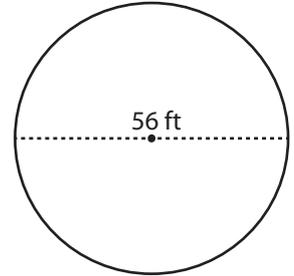
1)

Area = **1256 in<sup>2</sup>**

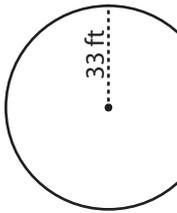
2)

Area = **2461.8 ft<sup>2</sup>**

3)



4)

Area = **3419.5 ft<sup>2</sup>**

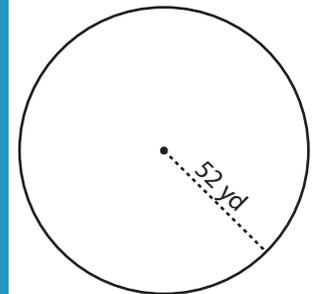
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**Sign up**[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)Area = **8490.6 yd<sup>2</sup>**

7) If the r

a) **527**

8) What i

a) 427 ft<sup>2</sup>    b) 213.5 ft<sup>2</sup>    c) 14519.4 ft<sup>2</sup>    **d) 3629.8 ft<sup>2</sup>**

9) Marlene jogs around a circular path with a radius of 31 yd. Find the area of the field.

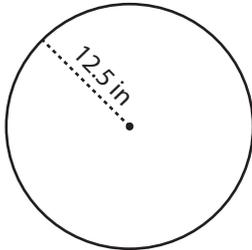
Area = **3017.5 yd<sup>2</sup>**

**Circle - Area**

Radius/Diameter Difficult: S1

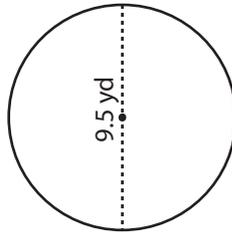
Find the area of each circle. Round the answer to two decimal places. ( use  $\pi = 3.14$  )

1)



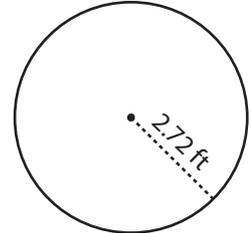
Area = \_\_\_\_\_

2)

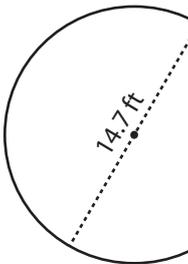


Area = \_\_\_\_\_

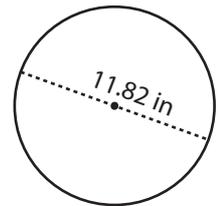
3)



4)



Area = \_\_\_\_\_



Area = \_\_\_\_\_

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7) If the r

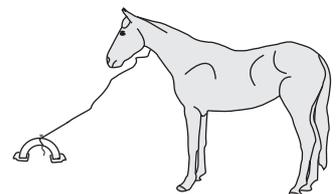
a) 45.8

8) What i

- a) 308.37 yd<sup>2</sup>    b) 305.89 yd<sup>2</sup>    c) 124.47 yd<sup>2</sup>    d) 62.23 yd<sup>2</sup>

9) A horse is tethered to a peg at the center of the field. If the length of the rope is 18.3 ft, what will be the maximum area the horse can graze?

Area = \_\_\_\_\_

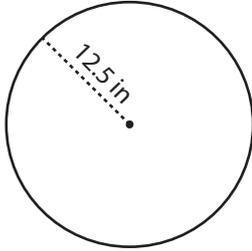


**Answer Key****Circle - Area**

Radius/Diameter Difficult: S1

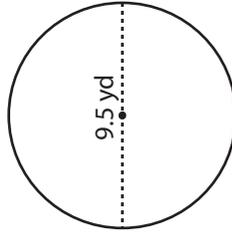
Find the area of each circle. Round the answer to two decimal places. ( use  $\pi = 3.14$  )

1)



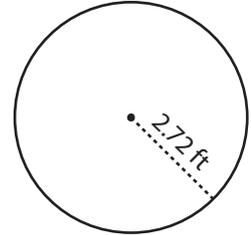
Area = **490.63**

2)

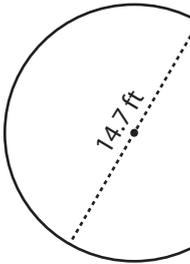


Area = **23.23 ft<sup>2</sup>**

3)



4)



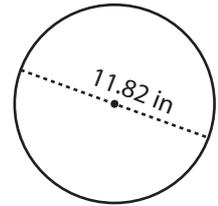
Area = **169.63**

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Area = **109.67 in<sup>2</sup>**

7) If the r

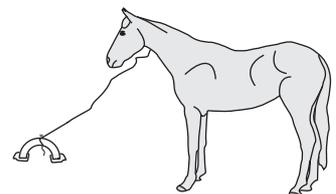
a) **45.8**

8) What i

a) 308.37 yd<sup>2</sup> **b) 305.89 yd<sup>2</sup>** c) 124.47 yd<sup>2</sup> d) 62.23 yd<sup>2</sup>

9) A horse is tethered to a peg at the center of the field. If the length of the rope is 18.3 ft, what will be the maximum area the horse can graze?

Area = **1051.56 ft<sup>2</sup>**

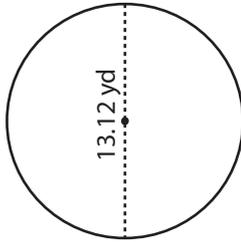


**Circle - Area**

Radius/Diameter Difficult: S2

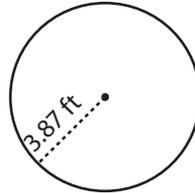
Find the area of each circle. Round the answer to two decimal places. ( use  $\pi = 3.14$  )

1)



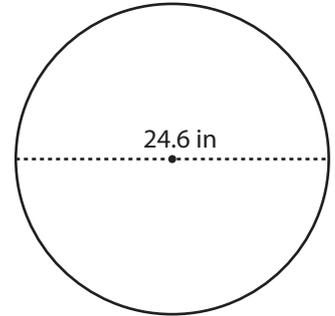
Area = \_\_\_\_\_

2)

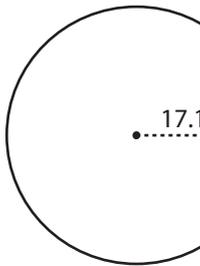


Area = \_\_\_\_\_

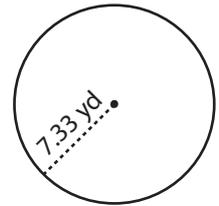
3)



4)



Area = \_\_\_\_\_



Area = \_\_\_\_\_

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7) If the r

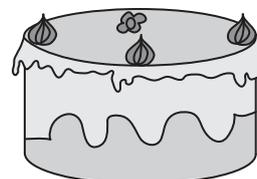
a) 31.2

8) What i

- a) 979.29 yd<sup>2</sup>    b) 244.82 yd<sup>2</sup>    c) 110.90 yd<sup>2</sup>    d) 55.45 yd<sup>2</sup>

9) The diameter of the cake is 38.72 in. What is the maximum area available for toppings?

Area = \_\_\_\_\_



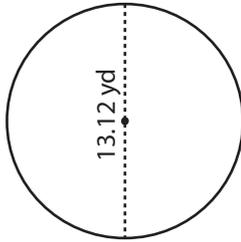
**Answer Key**

**Circle - Area**

Radius/Diameter Difficult: S2

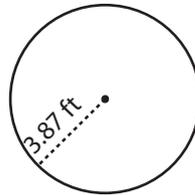
Find the area of each circle. Round the answer to two decimal places. ( use  $\pi = 3.14$  )

1)



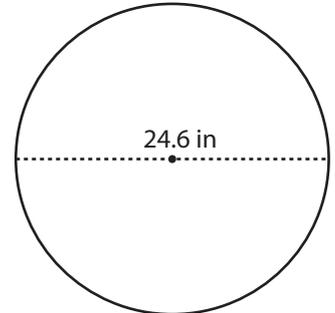
Area = **135.13 yd<sup>2</sup>**

2)

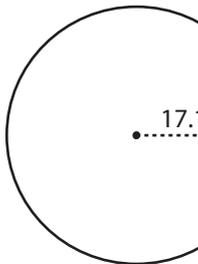


Area = **475.05 in<sup>2</sup>**

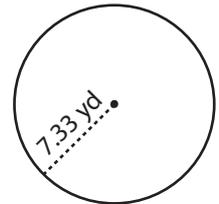
3)



4)



Area = **918.17 yd<sup>2</sup>**



Area = **168.71 yd<sup>2</sup>**

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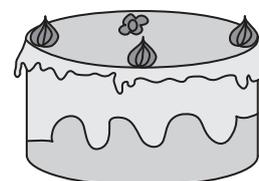
a) 31.2

8) What i

- a) 979.29 yd<sup>2</sup>    **b) 244.82 yd<sup>2</sup>**    c) 110.90 yd<sup>2</sup>    d) 55.45 yd<sup>2</sup>

9) The diameter of the cake is 38.72 in. What is the maximum area available for toppings?

Area = **1176.90 in<sup>2</sup>**

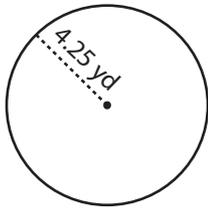


**Circle - Area**

Radius/Diameter Difficult: S3

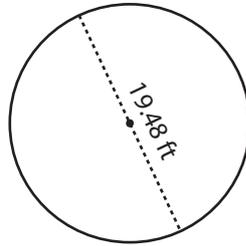
Find the area of each circle. Round the answer to two decimal places. ( use  $\pi = 3.14$  )

1)



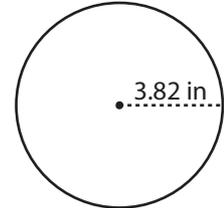
Area = \_\_\_\_\_

2)



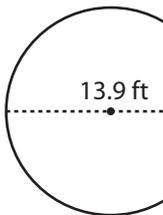
Area = \_\_\_\_\_

3)

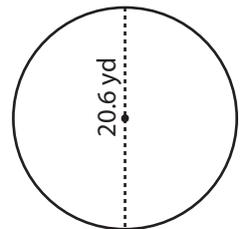


Area = \_\_\_\_\_

4)



Area = \_\_\_\_\_



Area = \_\_\_\_\_

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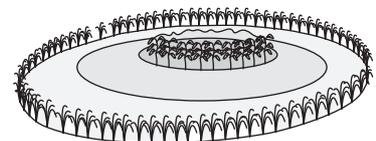
a) 26.6

8) What i

- a) 104 ft<sup>2</sup>      b) 861.09 ft<sup>2</sup>      c) 215.27 ft<sup>2</sup>      d) 52 ft<sup>2</sup>

9) A circular park has a radius of 28.3 yd. Find the area of the circular park.

Area = \_\_\_\_\_

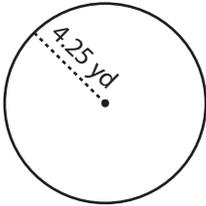


**Answer Key****Circle - Area**

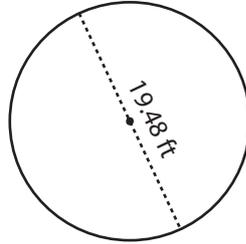
Radius/Diameter Difficult: S3

Find the area of each circle. Round the answer to two decimal places. ( use  $\pi = 3.14$  )

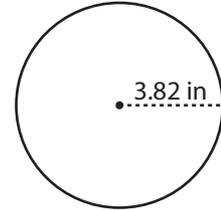
1)

Area = **56.72 y**

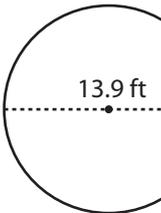
2)

Area = **45.82 in<sup>2</sup>**

3)



4)

Area = **151.67**

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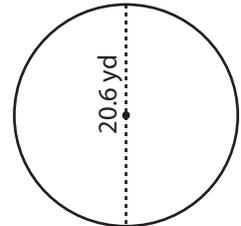
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Area = **333.12 yd<sup>2</sup>**

7) If the r

a) 26.6

8) What i

a) 104 ft<sup>2</sup>    b) 861.09 ft<sup>2</sup>    **c) 215.27 ft<sup>2</sup>**    d) 52 ft<sup>2</sup>

9) A circular park has a radius of 28.3 yd. Find the area of the circular park.

Area = **2514.80 yd<sup>2</sup>**