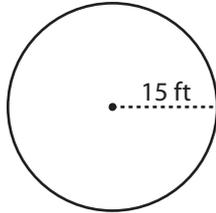


**Circle - Area**

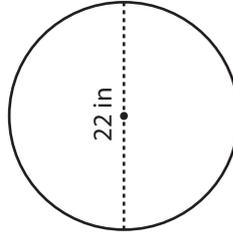
Radius/Diameter Easy: S1

Find the exact area of each circle.

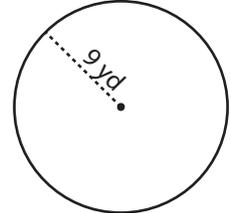
1)

Area = 

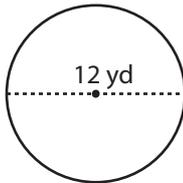
2)

Area = 

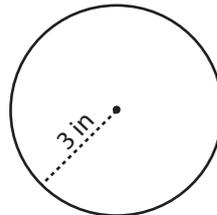
3)

Area = 

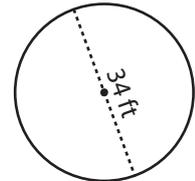
4)

Area = 

5)

Area = 

6)

Area = 

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

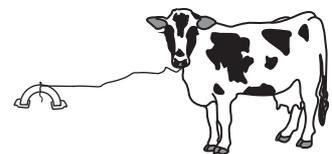
- a)  $100\pi \text{ ft}^2$     b)  $400\pi \text{ ft}^2$     c)  $25\pi \text{ ft}^2$     d)  $2\pi \text{ ft}^2$

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 = \_\_\_\_\_

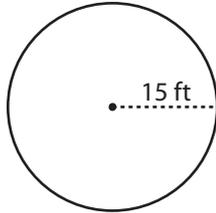


**Answer Key****Circle - Area**

Radius/Diameter Easy: S1

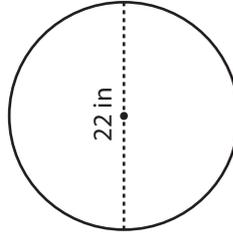
Find the exact area of each circle.

1)



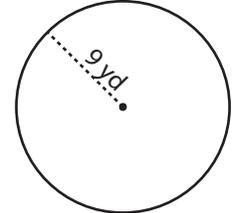
Area =  $225\pi \text{ ft}^2$

2)



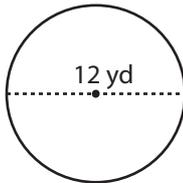
Area =  $121\pi \text{ in}^2$

3)



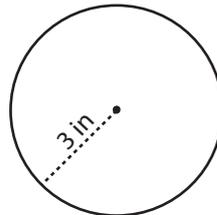
Area =  $81\pi \text{ yd}^2$

4)



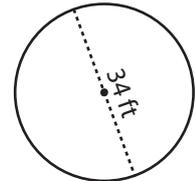
Area =  $36\pi \text{ yd}^2$

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?

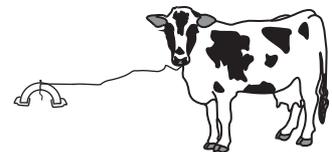
- a)  $100\pi \text{ ft}^2$     b)  $400\pi \text{ ft}^2$     c)  $25\pi \text{ ft}^2$     d)  $2\pi \text{ ft}^2$

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

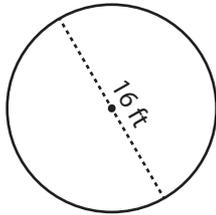


**Circle - Area**

Radius/Diameter Easy: S2

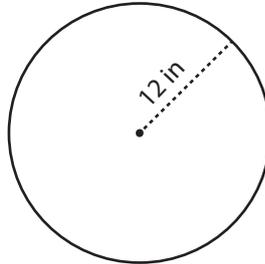
Find the exact area of each circle.

1)



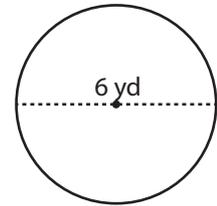
Area = \_\_\_\_\_

2)



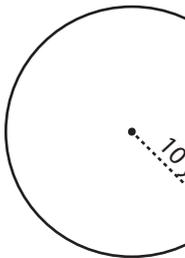
Area = \_\_\_\_\_

3)

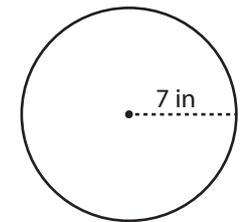


Area = \_\_\_\_\_

4)



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



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

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7) If the r

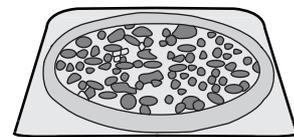
a)  $4\pi$  in

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 = \_\_\_\_\_

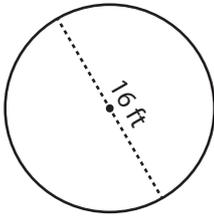


**Answer Key****Circle - Area**

Radius/Diameter Easy: S2

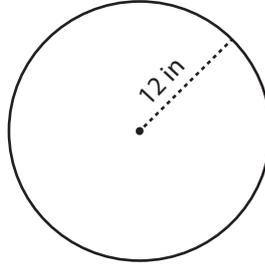
Find the exact area of each circle.

1)



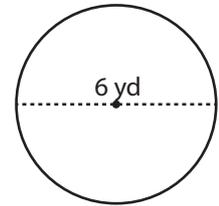
Area =  $64\pi \text{ ft}^2$

2)

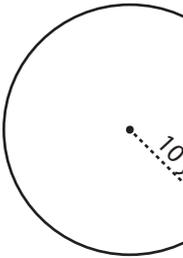


Area =  $9\pi \text{ yd}^2$

3)



4)



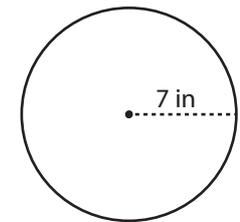
Area =  $100\pi \text{ yd}^2$

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

7) If the r

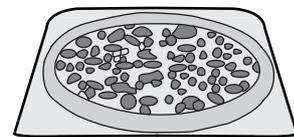
a)  $4\pi \text{ in}^2$ 

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

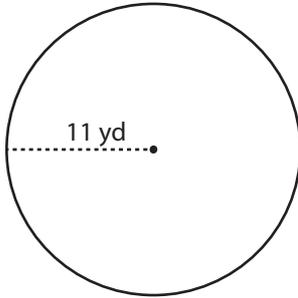


**Circle - Area**

Radius/Diameter Easy: S3

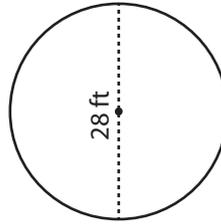
Find the exact area of each circle.

1)



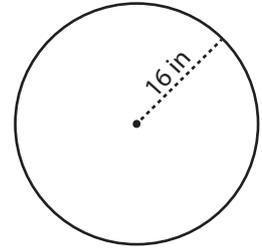
Area = \_\_\_\_\_

2)

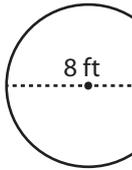


Area = \_\_\_\_\_

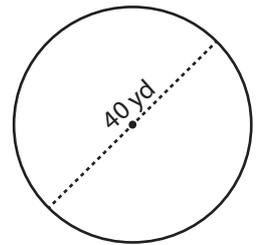
3)



4)



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



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

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7) If the r

a)  $81\pi$

8) What i

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

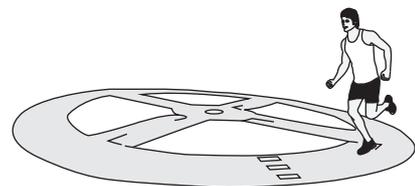
b)  $60\pi \text{ in}^2$

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 = \_\_\_\_\_

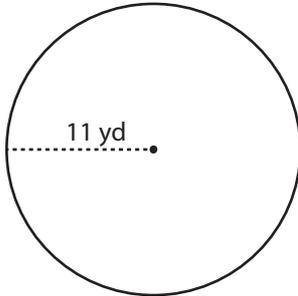


**Answer Key****Circle - Area**

Radius/Diameter Easy: S3

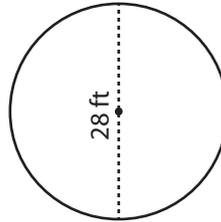
Find the exact area of each circle.

1)



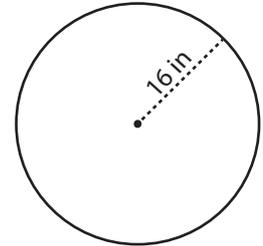
Area =  $121\pi \text{ yd}^2$

2)

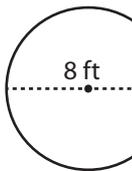


Area =  $256\pi \text{ in}^2$

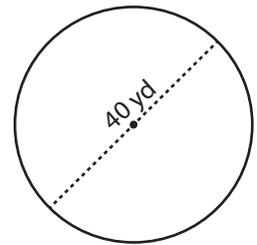
3)



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

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

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

