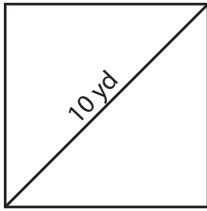


Name : \_\_\_\_\_

## Area of a Square

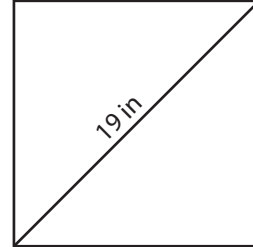
A) Find the area of each square. Round your answer to the nearest hundredth.

1)



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

2)



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

3) The diagonal of a square is 10 cm.

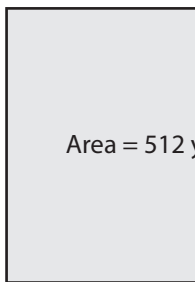
\_\_\_\_\_

4) What is the area of a square with a diagonal of 10 cm?

\_\_\_\_\_

B) Find the length of the diagonal of a square with an area of 512 yd<sup>2</sup>.

5)



Diagonal = \_\_\_\_\_

Find the area of a square with a diagonal of 10 cm. Round your answer to the nearest tenth.

6)



7) The area of a square is 283.22 square feet. Determine the length of the diagonal.

\_\_\_\_\_

8) If the area of a square is 637.25 square inches, what is the length of the diagonal?

\_\_\_\_\_

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Name : \_\_\_\_\_

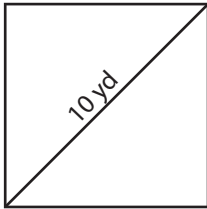
## Answer key

Sheet 4

### Area of a Square

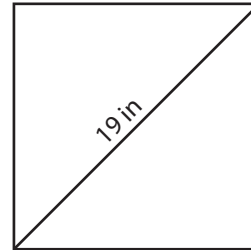
A) Find the area of each square. Round your answer to the nearest hundredth.

1)



Area = 50 yd<sup>2</sup>

2)



Area = 180.5 in<sup>2</sup>

3) The diagonal of a square is 12.5 units.

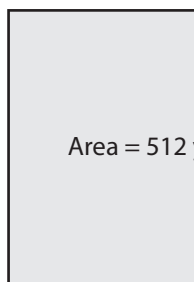
91.13 square

4) What is the area of a square with a side length of 12.25 units?

149.65 square

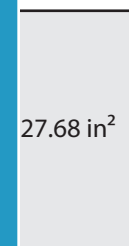
B) Find the length of the diagonal of a square with an area of 512 square units.

5)



Diagonal = 32 yd

6) Find the side length of a square with an area of 27.68 square inches. Round your answer to the nearest tenth.



5.2 in

7) The area of a square is 283.22 square feet. Determine the length of the diagonal.

23.8 feet

8) If the area of a square is 637.25 square inches, what is the length of the diagonal?

35.7 inches

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