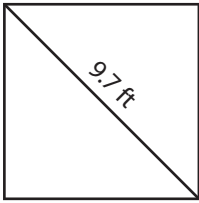


Name : \_\_\_\_\_

## Area of a Square

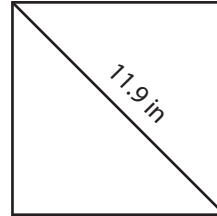
A) Find the area of each square. Round your answer to the nearest hundredth.

1)



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

2)



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

3) The diagonal of a square is 10.5 units. Find the area of the square.

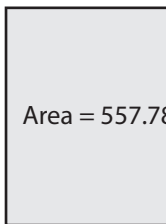
\_\_\_\_\_

4) What is the area of a square with a diagonal of 12 units?

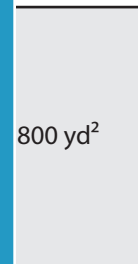
\_\_\_\_\_

B) Find the length of the diagonal of a square with an area of 557.78 square feet. Round your answer to the nearest tenth.

5)



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



7) A square has an area of 75.65 square inches. Find the length of the diagonal.

\_\_\_\_\_

8) The area of a square is 648 square feet. Determine the length of the diagonal.

\_\_\_\_\_

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

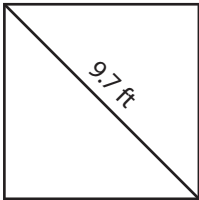
## Answer key

Sheet 5

### Area of a Square

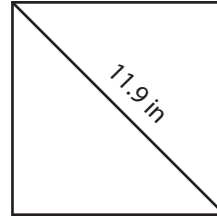
A) Find the area of each square. Round your answer to the nearest hundredth.

1)



Area = 47.05 ft<sup>2</sup>

2)



Area = 70.81 in<sup>2</sup>

3) The diagonal of a square is 26.7 feet. Find the area of the square.

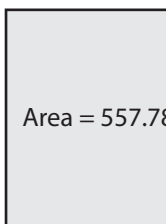
364.5 square feet

4) What is the area of a square with a side length of 20.9 feet?

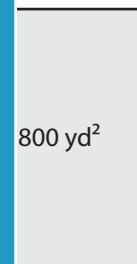
438.08 square feet

B) Find the length of the diagonal of a square with an area of 361 square feet. Round your answer to the nearest tenth.

5)



Diagonal = 33.5



40 yd

7) A square has an area of 75.65 square inches. Find the length of the diagonal.

12.3 inches

8) The area of a square is 648 square feet. Determine the length of the diagonal.

36 feet

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