

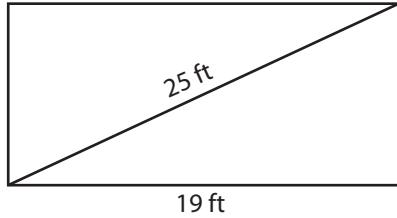
Name : \_\_\_\_\_

## Area of a Rectangle

Sheet 1

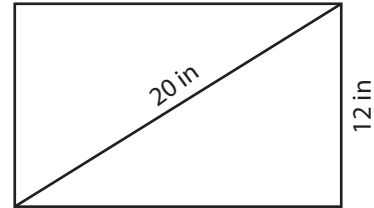
A) Find the area of each rectangle for the given measurements. Round your answer to two decimal places.

1)



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

2)



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

3) The diagonal of a rectangle measures 30 yards. What is the area of the rectangle, if the length is 24 yards?

\_\_\_\_\_

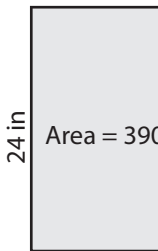
4) Find the area of the

\_\_\_\_\_ a width of 7 feet.

\_\_\_\_\_

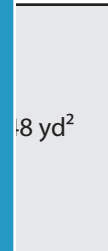
B) Find the length of the diagonal of a rectangle with an area of 390 square inches and a width of 24 inches. Round your answer to the nearest tenth.

1)



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

\_\_\_\_\_ units. Round your answer to



\_\_\_\_\_

3) The area of a rectangle is 96 square feet. Find the length of the diagonal, if the width is 6 feet.

\_\_\_\_\_

4) The length of a rectangle is 31 inches. If the area of the rectangle is 626.17 square inches, find the length of the diagonal.

\_\_\_\_\_

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

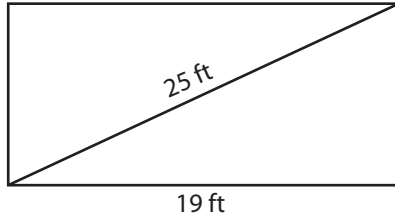
## Answer key

# Area of a Rectangle

Sheet 1

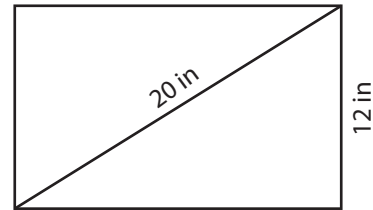
A) Find the area of each rectangle for the given measurements. Round your answer to two decimal places.

1)



Area = 308.71 ft<sup>2</sup>

2)



Area = 192 in<sup>2</sup>

3) The diagonal of a rectangle measures 30 yards. What is the area of the rectangle, if the length is 24 yards?

432 square y

4) Find the area of the

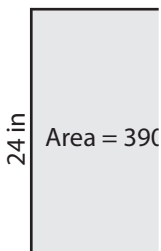
a width of 7 feet.

84.87 square

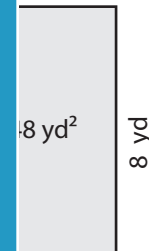
B) Find the length of the c  
the nearest tenth.

nts. Round your answer to

1)



Diagonal = 2



10 yd

3) The area of a rectangle is 96 square feet. Find the length of the diagonal, if the width is 6 feet.

17.1 feet

4) The length of a rectangle is 31 inches. If the area of the rectangle is 626.17 square inches, find the length of the diagonal.

37 inches

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