

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

## Area of a Rhombus

T2S4

A) Find the area of each rhombus for the given measurements.

1) diagonal 1 = 22 in, diagonal 2 = 34.3 in

2) diagonal 1 = 7.8 ft, diagonal 2 = 18.9 ft

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

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

3) diagonal 1 = 54.6 yd, diagonal 2 = 70.1 yd

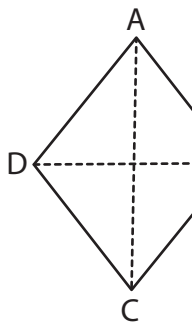
4) diagonal 1 = 19.2 in, diagonal 2 = 20.7 in

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

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

B) Find the area of each rhombus.

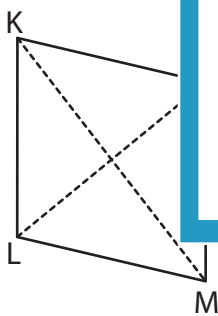
5)



AC = 37 ft ; DB = \_\_\_\_\_

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

7)



LN = 16.5 in ; KM = 24 in

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

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5.8 in

X

Y

ZX = 48.3 yd ; WY = 38.4 yd

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

9) What is the area of the rhombus, if the diagonals measure 26.4 feet and 27.9 feet?

\_\_\_\_\_

**Area of a Rhombus**

A) Find the area of each rhombus for the given measurements.

1) diagonal 1 = 22 in, diagonal 2 = 34.3 in

2) diagonal 1 = 7.8 ft, diagonal 2 = 18.9 ft

Area = 377.3 in<sup>2</sup>

Area = 73.71 ft<sup>2</sup>

3) diagonal 1 = 54.6 yd, diagonal 2 = 70.1 yd

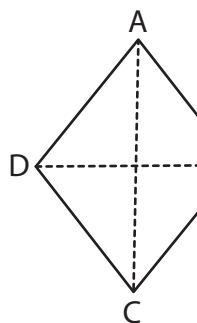
4) diagonal 1 = 19.2 in, diagonal 2 = 20.7 in

Area = 1,913.73 yd<sup>2</sup>

Area = 198.72 in<sup>2</sup>

B) Find the area of each rhombus.

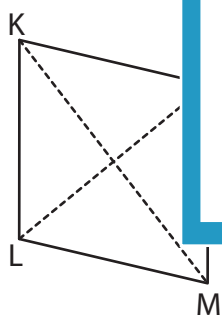
5)



AC = 37 ft ; DB = 9.2 ft

Area = 564.2 ft<sup>2</sup>

7)



LN = 16.5 in ; KM = 24 in

Area = 198 in<sup>2</sup>

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5.8 in

in<sup>2</sup>

X

Y

ZX = 48.3 yd ; WY = 38.4 yd

Area = 927.36 yd<sup>2</sup>

9) What is the area of the rhombus, if the diagonals measure 26.4 feet and 27.9 feet?

368.28 square feet