

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

## Area of a Rhombus

T2S3

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

1) diagonal 1 = 15.1 yd, diagonal 2 = 3.6 yd

2) diagonal 1 = 79.2 ft, diagonal 2 = 10.2 ft

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

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

3) diagonal 1 = 55.8 in, diagonal 2 = 44 in

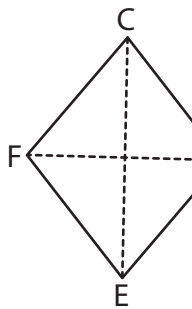
4) diagonal 1 = 84 yd, diagonal 2 = 21.5 yd

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

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

B) Find the area of each rhombus.

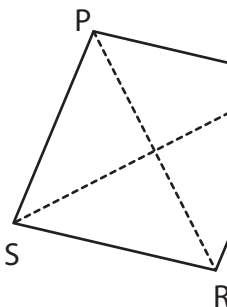
5)



DF = 8.5 ft ; CE = \_\_\_\_\_

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

7)



QS = 97 yd ; PR = 5.4 yd

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

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UN = 67.1 in

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

LN = 41.6 ft ; KM = 32.8 ft

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

9) The diagonals of a rhombus measure 28 inches and 26.5 inches. Find the area.

\_\_\_\_\_

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

## Answer key

T2S3

### Area of a Rhombus

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

1) diagonal 1 = 15.1 yd, diagonal 2 = 3.6 yd

2) diagonal 1 = 79.2 ft, diagonal 2 = 10.2 ft

Area = 27.18 yd<sup>2</sup>

Area = 403.92 ft<sup>2</sup>

3) diagonal 1 = 55.8 in, diagonal 2 = 44 in

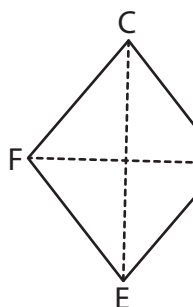
4) diagonal 1 = 84 yd, diagonal 2 = 21.5 yd

Area = 1,227.6 in<sup>2</sup>

Area = 903 yd<sup>2</sup>

B) Find the area of each rhombus.

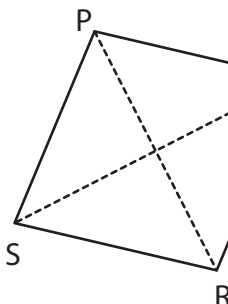
5)



DF = 8.5 ft ; CE = 11.4 ft

Area = 68.85 ft<sup>2</sup>

7)



QS = 97 yd ; PR = 5.4 yd

Area = 261.9 yd<sup>2</sup>

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UW = 67.1 in ; VX = 10.2 in

Area = 7 in<sup>2</sup>



LN = 41.6 ft ; OM = 32.8 ft

Area = 682.24 ft<sup>2</sup>

9) The diagonals of a rhombus measure 28 inches and 26.5 inches. Find the area.

371 square inches