

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

## Area of a Rhombus

T2S2

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

1) diagonal 1 = 47.6 in, diagonal 2 = 38.2 in

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

2) diagonal 1 = 22.5 yd, diagonal 2 = 24 yd

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

3) diagonal 1 = 12.8 ft, diagonal 2 = 18.4 ft

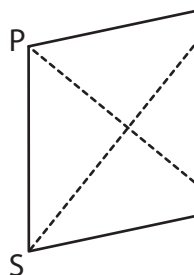
Area = \_\_\_\_\_

4) diagonal 1 = 9.4 in, diagonal 2 = 2.3 in

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

B) Find the area of each rhombus.

5)



QS = 42.2 yd ; PR = 31.8 yd

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

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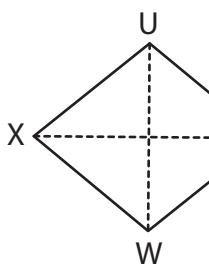
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MV = 94.5 ft ; LN = 63.4 ft

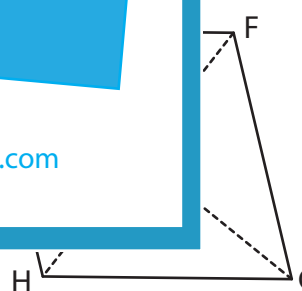
Area = \_\_\_\_\_

7)



UW = 4.7 in ; VX = 13.6 in

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



FH = 25.8 yd ; EG = 51.9 yd

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

9) What is the area of the rhombus, if the diagonals measure 27.3 feet and 80 feet?

\_\_\_\_\_

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

## Answer key

### Area of a Rhombus

T2S2

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

1) diagonal 1 = 47.6 in, diagonal 2 = 38.2 in

Area = 909.16 in<sup>2</sup>

2) diagonal 1 = 22.5 yd, diagonal 2 = 24 yd

Area = 270 yd<sup>2</sup>

3) diagonal 1 = 12.8 ft, diagonal 2 = 18.4 ft

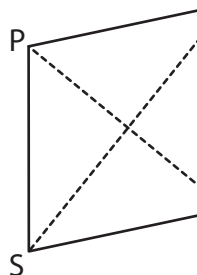
Area = 117.76 ft<sup>2</sup>

4) diagonal 1 = 9.4 in, diagonal 2 = 2.3 in

Area = 10.81 in<sup>2</sup>

B) Find the area of each rhombus.

5)



QS = 42.2 yd ; PR = 30.2 yd

Area = 635.14 yd<sup>2</sup>

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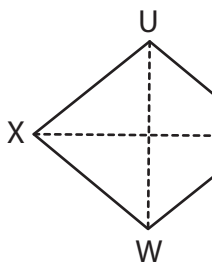
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LN = 94.5 ft ; MO = 60.2 ft

Area = 2845.5 ft<sup>2</sup>

7)



UW = 4.7 in ; VX = 13.6 in

Area = 31.96 in<sup>2</sup>



FH = 25.8 yd ; EG = 51.9 yd

Area = 669.51 yd<sup>2</sup>

9) What is the area of the rhombus, if the diagonals measure 27.3 feet and 80 feet?

1,092 square feet