

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

## Area of a Rhombus

Sheet 2

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

1) diagonal 1 = 32 ft, diagonal 2 = 16 yd

2) diagonal 1 = 11 yd, diagonal 2 = 144 in

Area = \_\_\_\_\_  $\text{ft}^2$

Area = \_\_\_\_\_  $\text{yd}^2$

3) diagonal 1 = 16 yd, diagonal 2 = 81 ft

4) diagonal 1 = 31 in, diagonal 2 = 2 ft

Area = \_\_\_\_\_  $\text{yd}^2$

Area = \_\_\_\_\_  $\text{in}^2$

B) Find the area of each rhombus.

5)



PR = 40.6 in ; QS = 50.6 in

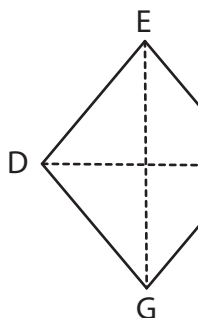
Area = \_\_\_\_\_



DX = 5 yd

Area = \_\_\_\_\_  $\text{ft}^2$

7)



DF = 540 in ; EG = 20 yd

Area = \_\_\_\_\_  $\text{yd}^2$



UW = 1 yd ; VX = 45 in

Area = \_\_\_\_\_  $\text{in}^2$

9) The diagonals of a rhombus measure 180 inches and 10 feet. Determine the area in square feet.

\_\_\_\_\_

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

## Answer key

Sheet 2

### Area of a Rhombus

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

1) diagonal 1 = 32 ft, diagonal 2 = 16 yd

Area = 768 ft<sup>2</sup>

2) diagonal 1 = 11 yd, diagonal 2 = 144 in

Area = 22 yd<sup>2</sup>

3) diagonal 1 = 16 yd, diagonal 2 = 81 ft

Area = 216 yd<sup>2</sup>

4) diagonal 1 = 31 in, diagonal 2 = 2 ft

Area = 372 in<sup>2</sup>

B) Find the area of each rhombus.

5)



PR = 40.6 in ; QS = 12.2 in

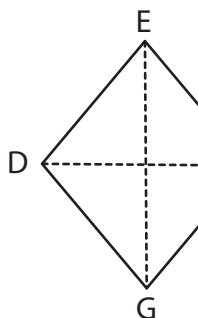
Area = 998.8 in<sup>2</sup>



DX = 5 yd

Area = 100 ft<sup>2</sup>

7)



DF = 540 in ; EG = 20 yd

Area = 150 yd<sup>2</sup>



UW = 1 yd ; VX = 45 in

Area = 810 in<sup>2</sup>

9) The diagonals of a rhombus measure 180 inches and 10 feet. Determine the area in square feet.

75 square feet

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