

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

## Area of a Kite

T2S5

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

1) diagonal 1 = 7 ft, diagonal 2 = 65 in

2) diagonal 1 = 5 yd, diagonal 2 = 21 ft

Area = \_\_\_\_\_ in<sup>2</sup>

Area = \_\_\_\_\_ ft<sup>2</sup>

3) diagonal 1 = 600 in, diagonal 2 = 44 ft

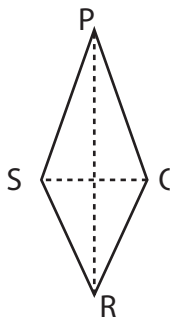
4) diagonal 1 = 25 yd, diagonal 2 = 2,016 in

Area = \_\_\_\_\_ ft<sup>2</sup>

Area = \_\_\_\_\_ yd<sup>2</sup>

B) Find the area of each kite.

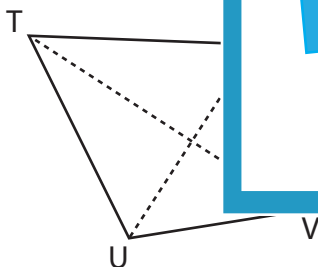
5)



QS = 72 in, PR = 60 in

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

7)



TV = 1.5 yd, UW = 23 in

Area = \_\_\_\_\_ in<sup>2</sup>



ft

ft<sup>2</sup>



FH = 38 ft, EG = 540 in

Area = \_\_\_\_\_ ft<sup>2</sup>

9) The lengths of the diagonals of a kite are 1 yard and 40.2 inches. What is the area of the kite?

\_\_\_\_\_ square inches

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

## Answer key

### Area of a Kite

T2S5

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

1) diagonal 1 = 7 ft, diagonal 2 = 65 in

Area = 2,730 in<sup>2</sup>

2) diagonal 1 = 5 yd, diagonal 2 = 21 ft

Area = 157.5 ft<sup>2</sup>

3) diagonal 1 = 600 in, diagonal 2 = 44 ft

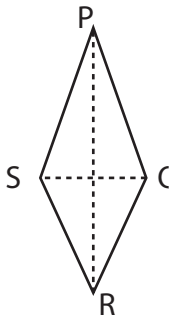
Area = 1,100 ft<sup>2</sup>

4) diagonal 1 = 25 yd, diagonal 2 = 2,016 in

Area = 700 yd<sup>2</sup>

B) Find the area of each kite.

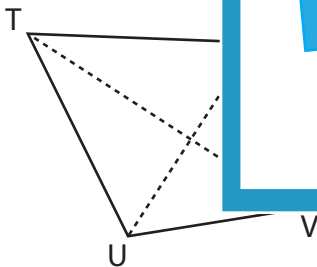
5)



QS = 72 in, PR = 6

Area = 6.4

7)



TV = 1.5 yd, UW = 23 in

Area = 621 in<sup>2</sup>



ft

ft<sup>2</sup>



FH = 38 ft, EG = 540 in

Area = 855 ft<sup>2</sup>

9) The lengths of the diagonals of a kite are 1 yard and 40.2 inches. What is the area of the kite?

723.6 square inches

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