

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

## Area of a Kite

T2S1

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

1) diagonal 1 = 5.1 ft, diagonal 2 = 2.4 ft

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

2) diagonal 1 = 11 yd, diagonal 2 = 19.2 yd

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

3) diagonal 1 = 83.8 in, diagonal 2 = 75.1 in

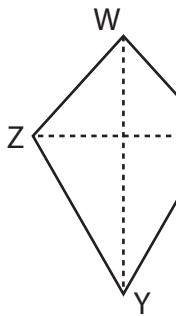
Area = \_\_\_\_\_

4) diagonal 1 = 24.6 in, diagonal 2 = 27.7 in

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

B) Find the area of each kite.

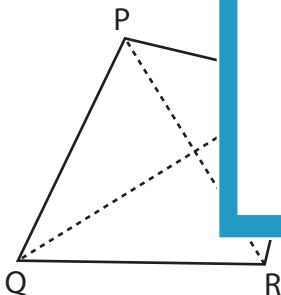
5)



WY = 32.8 yd, XZ = \_\_\_\_\_

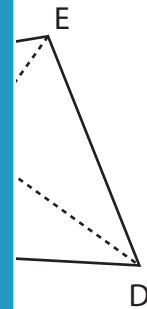
Area = \_\_\_\_\_

7)



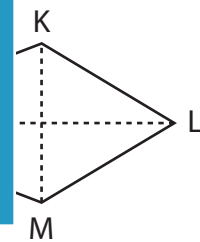
PR = 41.2 in, QS = 49.5 in

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



\_\_\_\_\_ ft

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



KM = 4.4 yd, LN = 15.6 yd

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

9) If the diagonals of a kite measure 5.2 feet and 17.5 feet, determine the area of the kite.

\_\_\_\_\_

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

## Answer key

### Area of a Kite

T2S1

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

1) diagonal 1 = 5.1 ft, diagonal 2 = 2.4 ft

Area = 6.12 ft<sup>2</sup>

2) diagonal 1 = 11 yd, diagonal 2 = 19.2 yd

Area = 105.6 yd<sup>2</sup>

3) diagonal 1 = 83.8 in, diagonal 2 = 75.1 in

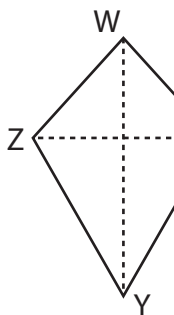
Area = 3,146.69 in<sup>2</sup>

4) diagonal 1 = 24.6 in, diagonal 2 = 27.7 in

Area = 340.71 in<sup>2</sup>

B) Find the area of each kite

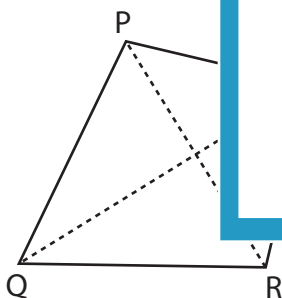
5)



WY = 32.8 yd, XZ =

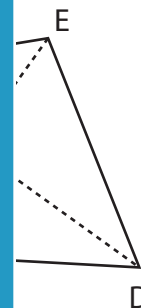
Area = 451.2

7)



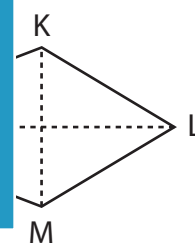
PR = 41.2 in, QS = 49.5 in

Area = 1,019.7 in<sup>2</sup>



8 ft

ft<sup>2</sup>



KM = 4.4 yd, LN = 15.6 yd

Area = 34.32 yd<sup>2</sup>

9) If the diagonals of a kite measure 5.2 feet and 17.5 feet, determine the area of the kite.

45.5 square feet

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