

Name : _____

Area of a Kite

Sheet 3

A) Find the length of the unknown diagonal of each kite for the given measurements.

1) Area = 96 in^2 , diagonal 1 = 24 in

diagonal 2 = _____

2) Area = 800 ft^2 , diagonal 2 = 50 ft

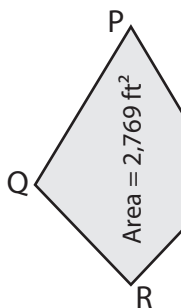
diagonal 1 = _____

3) Area = 621 yd^2 , diagonal 2 = 30 yd

diagonal 1 = _____

4) Area = 9 yd^2 , diagonal 1 = 6 yd

5)



PR = 78 ft. Find QS

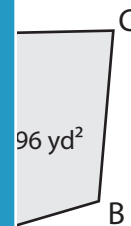
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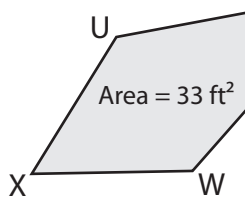
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7)



UW = 4 ft. Find VX.

LN = 68 in. Find KM.

9) The area of a kite is 306 square inches. If one of the diagonals measures 17 inches, determine the length of the other diagonal.

Area of a Kite

A) Find the length of the unknown diagonal of each kite for the given measurements.

1) Area = 96 in^2 , diagonal 1 = 24 in

2) Area = 800 ft^2 , diagonal 2 = 50 ft

diagonal 2 = 8 in

diagonal 1 = 32 ft

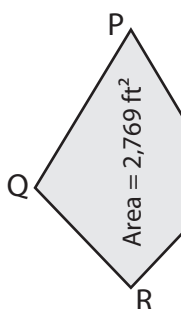
3) Area = 621 yd^2 , diagonal 2 = 30 yd

4) Area = 9 yd^2 , diagonal 1 = 6 yd

diagonal 1 = _____

3 yd

5)



PR = 78 ft. Find QS

QS = 71 ft

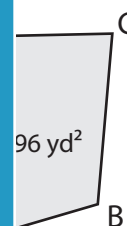
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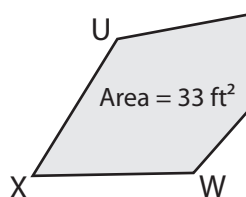
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AC = 6 yd

7)



UW = 4 ft. Find VX.

VX = 16.5 ft



LN = 68 in. Find KM.

KM = 89 in

9) The area of a kite is 306 square inches. If one of the diagonals measures 17 inches, determine the length of the other diagonal.

36 inches