Area of a Kite

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

1) Area = 96 in², diagonal 1 = 24 in

diagonal 2 = _____
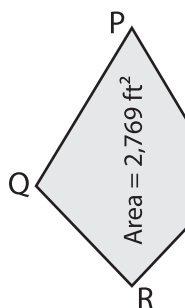
2) Area = 800 ft², diagonal 2 = 50 ft

diagonal 1 = _____

3) Area = 621 yd², diagonal 2 = 30 yd

diagonal 1 = _____

4) Area = 9 yd², diagonal 1 = 6 yd

5)

P

Area = 2,769 ft²
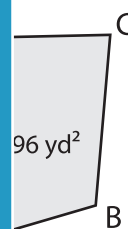
Q

R

PR = 78 ft. Find QS

C

96 yd²

B

PREVIEW

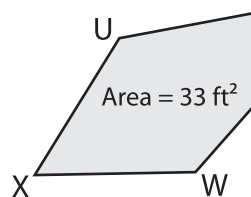Gain complete access to the largest collection of worksheets in all subjects!

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7)

U

Area = 33 ft²

X   W

L

V M

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.

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