

Name : _____

Area of a Kite

Sheet 3

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

- 1) Area = $1,684.76 \text{ in}^2$, diagonal 2 = 54.7 in 2) Area = 87.4 ft^2 , diagonal 1 = 19 ft

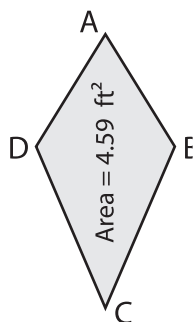
diagonal 1 = _____

diagonal 2 = _____

- 3) Area = 24.7 ft^2 , diagonal 1 = 7.6 ft 4) Area = 432 yd^2 , diagonal 2 = 38.4 yd

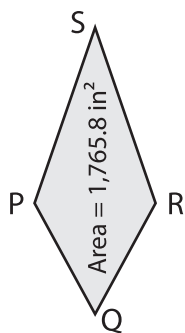
diagonal 2 = _____

5)



AC = 5.1 ft. Find BE.

7)



QS = 64.8 in. Find PR.

LN = 17.2 in. Find KM.

- 9) A kite has an area of 212 square yards. If one of the diagonals measures 42.4 yards, find the length of the other diagonal.

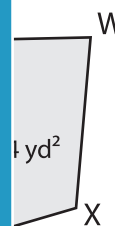
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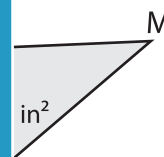
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1 yd²



1 in²