

Name : _____

Area of a Kite

Sheet 4

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

1) Area = 285 yd^2 , diagonal 2 = 19 yd

2) Area = 138 ft^2 , diagonal 1 = 24 ft

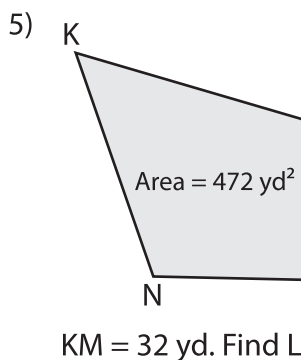
diagonal 1 = _____

diagonal 2 = _____

3) Area = $3,560 \text{ ft}^2$, diagonal 1 = 80 ft

4) Area = 14 in^2 , diagonal 2 = 7 in

diagonal 2 = _____



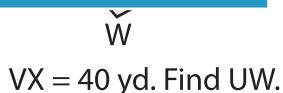
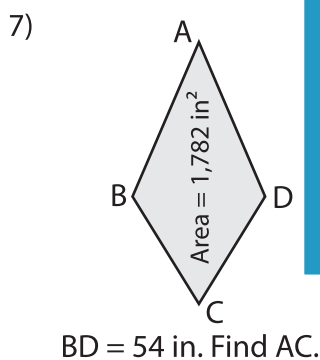
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9) The area of a kite is 25 square inches. If one of the diagonals measures 10 inches, determine the length of the other diagonal.