Name : _____

Area of a Kite

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

1) Area = 285 yd², diagonal 2 = 19 yd

diagonal 1 = _____

2) Area = 138 ft², diagonal 1 = 24 ft

diagonal 2 = _____

3) Area = 3,560 ft², diagonal 1 = 80 ft

diagonal 2 = ___

4) Area = 14 in², diagonal 2 = 7 in
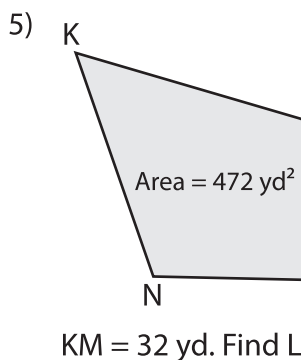
5) K

Area = 472 yd²

N

KM = 32 yd. Find L

7) A

Area = 1,782 in²

B   D

C

BD = 54 in. Find AC.

X

W

VX = 40 yd. Find UW.
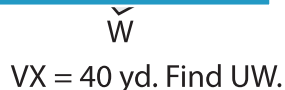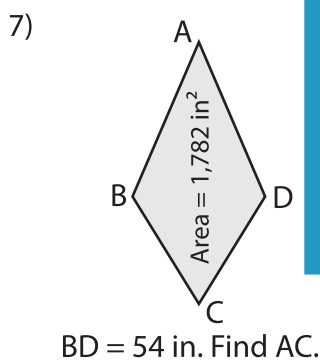
9) The area of a kite is 25 square inches. If one of the diagonals measures 10 inches, determine the length of the other diagonal.