Name : _____

Area of a Kite

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

1) Area = 2,545.86 yd², diagonal 2 = 84.3 yd

diagonal 1 = _____
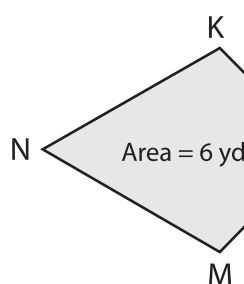
2) Area = 4.4 ft², diagonal 1 = 4 ft

diagonal 2 = _____

3) Area = 12.1 in², diagonal 1 = 5.5 in

diagonal 2 = _____

4) Area = 532.17 yd², diagonal 2 = 21.9 yd

5)

K

N   Area = 6 yd

M

KM = 2.4 yd. Find L

S

7)

A

Area = 216.4

B

AC = 11.7 ft. Find BD.

V
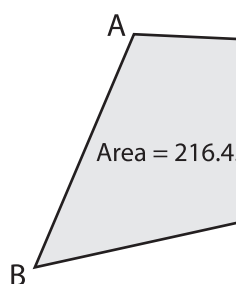
TV = 52.5 ft. Find UW.

9) A kite has an area of 604.35 square inches. If one of the diagonals measures 30.6 inches, find the length of the other diagonal.