

Name : _____

Area of a Kite

Sheet 5

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

1) Area = 13.2 in^2 , diagonal 2 = 8 in

diagonal 1 = _____

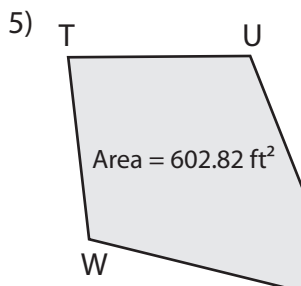
2) Area = $3,836.56 \text{ ft}^2$, diagonal 2 = 95.2 ft

diagonal 1 = _____

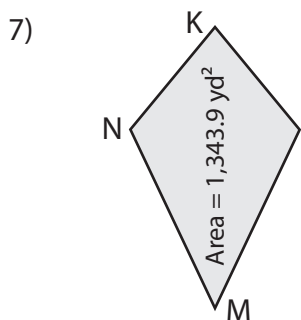
3) Area = 444.6 yd^2 , diagonal 1 = 24.7 yd

diagonal 2 = _____

4) Area = 62.23 yd^2 , diagonal 1 = 9.8 yd



TV = 39.4 ft. Find U



LN = 44.5 yd. Find KM.

BD = 14.2 ft. Find AC.

9) A kite has an area of 3,043.8 square inches. If one of the diagonals measures 85.5 inches, find the length of the other diagonal.

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Area of a Kite

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

1) Area = 13.2 in^2 , diagonal 2 = 8 in

2) Area = $3,836.56 \text{ ft}^2$, diagonal 2 = 95.2 ft

diagonal 1 = 3.3 in

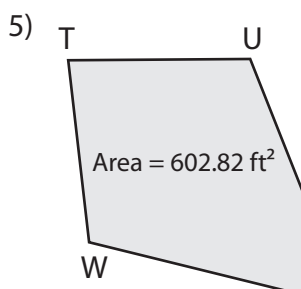
diagonal 1 = 80.6 ft

3) Area = 444.6 yd^2 , diagonal 1 = 24.7 yd

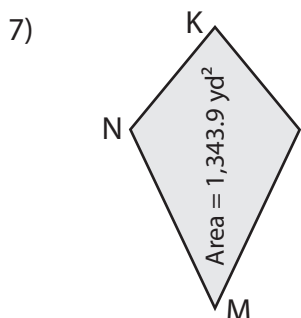
4) Area = 62.23 yd^2 , diagonal 1 = 9.8 yd

diagonal 2 = _____

12.7 yd



UW = 30.6 ft



KM = 60.4 yd

BD = 14.2 ft. Find AC.

AC = 6.1 ft

9) A kite has an area of 3,043.8 square inches. If one of the diagonals measures 85.5 inches, find the length of the other diagonal.

71.2 inches

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