

Name : \_\_\_\_\_

## Area of a Kite

Sheet 5

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

1) Area =  $13.2 \text{ in}^2$ , diagonal 2 = 8 in

diagonal 1 = \_\_\_\_\_

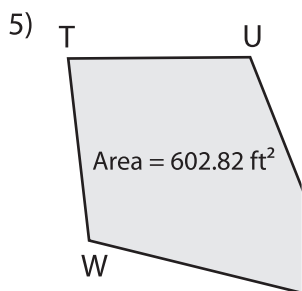
2) Area =  $3,836.56 \text{ ft}^2$ , diagonal 2 = 95.2 ft

diagonal 1 = \_\_\_\_\_

3) Area =  $444.6 \text{ yd}^2$ , diagonal 1 = 24.7 yd

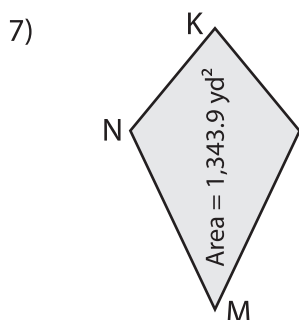
diagonal 2 = \_\_\_\_\_

4) Area =  $62.23 \text{ yd}^2$ , 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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