

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

## Area of a Kite

Sheet 4

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

1) Area =  $285 \text{ yd}^2$ , diagonal 2 = 19 yd

2) Area =  $138 \text{ ft}^2$ , diagonal 1 = 24 ft

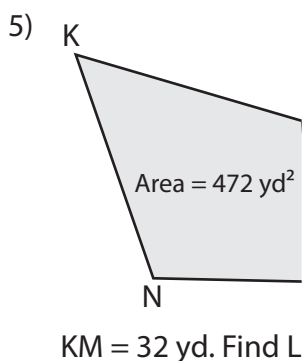
diagonal 1 = \_\_\_\_\_

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

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

4) Area =  $14 \text{ in}^2$ , diagonal 2 = 7 in

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



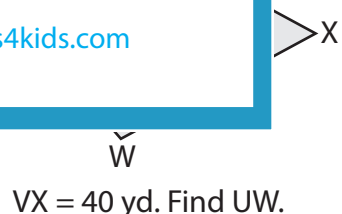
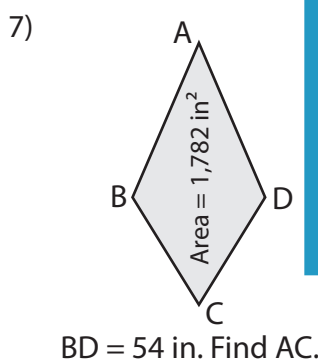
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9) The area of a kite is 25 square inches. If one of the diagonals measures 10 inches, determine the length of the other diagonal.

\_\_\_\_\_

**Area of a Kite**

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

1) Area =  $285 \text{ yd}^2$ , diagonal 2 = 19 yd

2) Area =  $138 \text{ ft}^2$ , diagonal 1 = 24 ft

diagonal 1 = 30 yd

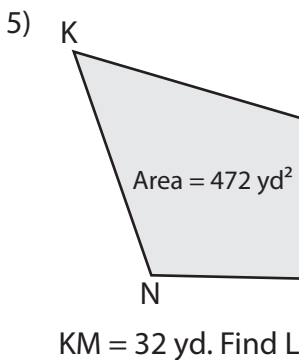
diagonal 2 = 11.5 ft

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

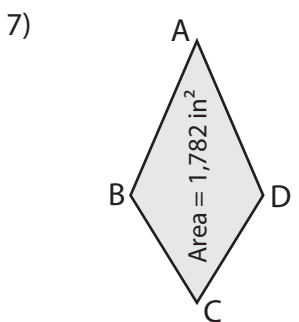
4) Area =  $14 \text{ in}^2$ , diagonal 2 = 7 in

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

4 in



LN = 29.5 yd



AC = 66 in

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VX = 40 yd. Find UW.

UW = 35.3 yd

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.

5 inches