

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

## Area of a Kite

Sheet 2

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

1) Area =  $117 \text{ yd}^2$ , diagonal 2 = 20 yd

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

2) Area =  $63 \text{ in}^2$ , diagonal 2 = 9 in

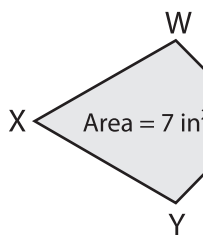
diagonal 1 = \_\_\_\_\_

3) Area =  $2,016 \text{ in}^2$ , diagonal 1 = 72 in

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

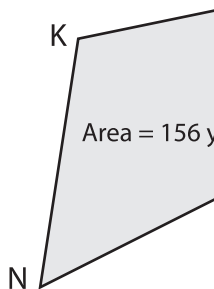
4) Area =  $768 \text{ ft}^2$ , diagonal 1 = 32 ft

5)



\_\_\_\_\_

7)



\_\_\_\_\_

PR = 10 ft. Find QS.

\_\_\_\_\_

9) A kite has an area of 248 square feet. If one of the diagonals measures 31 feet, find the length of the other diagonal.

\_\_\_\_\_

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