

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

## Area of a Kite

Sheet 4

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

1) Area =  $8.37 \text{ ft}^2$ , diagonal 1 = 6.2 ft

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

2) Area =  $994.7 \text{ in}^2$ , diagonal 2 = 40.6 in

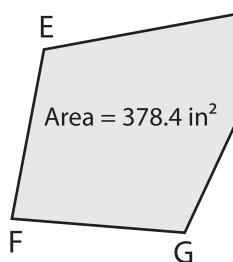
diagonal 1 = \_\_\_\_\_

3) Area =  $1,795.2 \text{ yd}^2$ , diagonal 2 = 68 yd

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

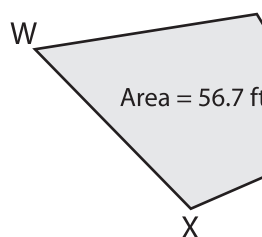
4) Area =  $70.81 \text{ in}^2$ , diagonal 1 = 7.3 in

5)



\_\_\_\_\_

7)



\_\_\_\_\_

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QS = 36.8 yd. Find PR.

\_\_\_\_\_

9) The area of a kite is 128.38 square yards. If one of the diagonals measures 13.1 yards, determine the length of the other diagonal.

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