

Name : _____

Area of a Kite

Sheet 2

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

1) Area = 1,046 in², diagonal 1 = 40 in

diagonal 2 = _____

2) Area = 174.15 yd², diagonal 1 = 27 yd

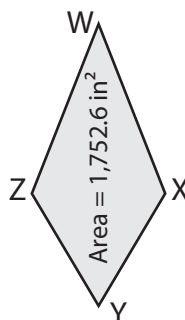
diagonal 2 = _____

3) Area = 11.2 in², diagonal 2 = 6.4 in

diagonal 1 = _____

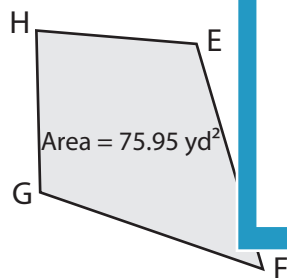
4) Area = 3,310.56 ft², diagonal 2 = 83.6 ft

5)



WY = 76.2 in. Find

7)



EG = 9.8 yd. Find FH.

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QS = 30 ft. Find RT.

9) The area of a kite is 2,654.9 square feet. If one of the diagonals measures 69.5 feet, determine the length of the other diagonal.

Name : _____

Answer key

Sheet 2

Area of a Kite

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

1) Area = $1,046 \text{ in}^2$, diagonal 1 = 40 in

diagonal 2 = 52.3 in

2) Area = 174.15 yd^2 , diagonal 1 = 27 yd

diagonal 2 = 12.9 yd

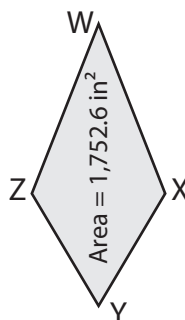
3) Area = 11.2 in^2 , diagonal 2 = 6.4 in

4) Area = $3,310.56 \text{ ft}^2$, diagonal 2 = 83.6 ft

diagonal 1 = _____

79.2 ft

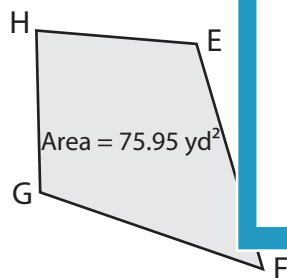
5)



WY = 76.2 in. Find

XZ = 46 in

7)



EG = 9.8 yd. Find FH.

FH = 15.5 yd

QS = 30 ft. Find RT.

RT = 44.3 ft

9) The area of a kite is 2,654.9 square feet. If one of the diagonals measures 69.5 feet, determine the length of the other diagonal.

76.4 feet

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