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 yd^2, diagonal 2 = 20 yd

diagonal 1 = _____

2) Area = 63 in^2, diagonal 2 = 9 in

diagonal 1 = _____

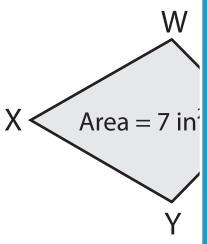
3) Area = 2,016 in^2, diagonal 1 = 72 in

diagonal 2 = _____

4) Area = 768 ft^2, diagonal 1 = 32 ft

_____

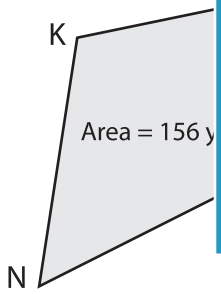
5)



XZ = 7 in. Find WY.

_____

7)



KM = 13 yd. Find LN.

_____

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.

_____