Name : _____

## Area of a Kite

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

1) Area = 533 ft², diagonal 1 = 41 ft
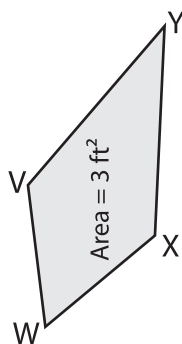
diagonal 2 = _____

2) Area = 950 in², diagonal 1 = 38 in

diagonal 2 = _____
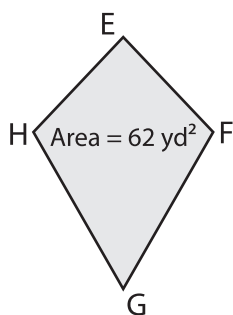
3) Area = 96 yd², diagonal 2 = 12 yd

diagonal 1 = _____

4) Area = 2,400 yd², diagonal 2 = 75 yd

_____

5)

Area = 3 ft²

WY = 5 ft. Find VX.

_____

N

7)

Area = 62 yd²

FH = 8 yd. Find EG.

_____

BD = 22 in. Find AC.

_____

9) A kite has an area of 1,749 square yards. If one of the diagonals measures 55 yards, find the length of the other diagonal.

_____