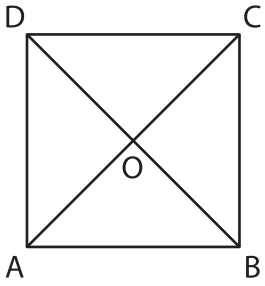
Name : _____

Sheet 2

Diagonal of a Rectangle

Solve for x and then find the length of the diagonal.

1)

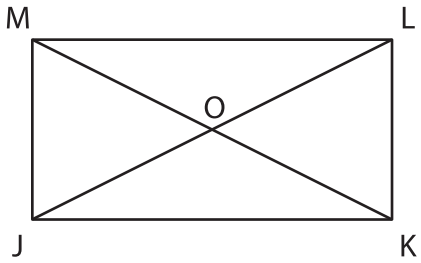


OD = $\left(\frac{5x}{2}\right)$ yd ; BD = (3 + 2x) yd

x = _____

diagonal = _____

2)

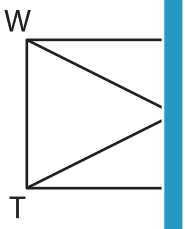


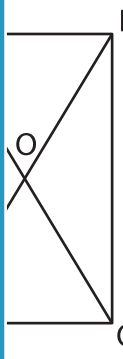
OK = (60 + 7x) ft ; OL = (–8x) ft

_____

_____

3)





OU = (–x + 11) in

x = _____

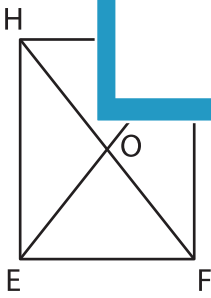
diagonal = _____

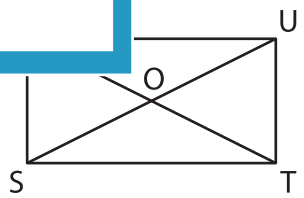
…d ; PR = (6x – 76) yd

_____

_____

5)





OE = (19 + 2x) ft ; OG = (–11 – 3x) ft

x = _____

diagonal = _____

OS = (6x) in ; OV = (3 + 3x) in

x = _____

diagonal = _____