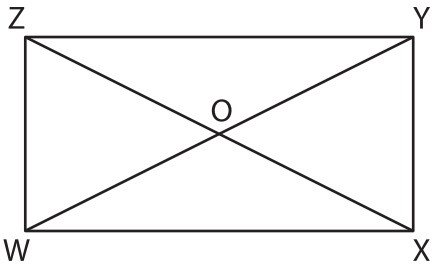
Name : _____

Diagonal of a Rectangle

Sheet 3

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

1)

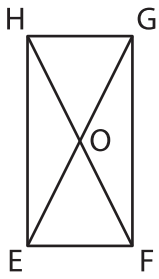


WY = (4x + 19) ft ; XZ = (–5x – 8) ft

x = _____

diagonal = _____

2)

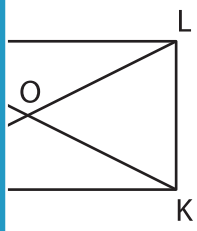


OH = (10x – 3) yd ; OF = (1 + 9x) yd

_____

_____

3)

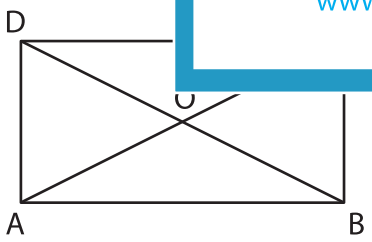


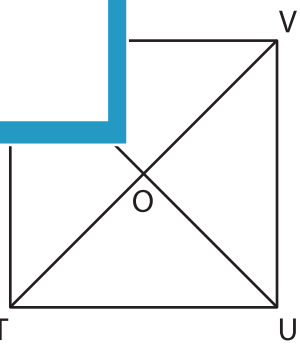
QS = (–12 + x) yd ; OL = (3x + 13) in

x = _____

diagonal = _____

5)





OA = (8x – 24) in ; OB = (5x) in

x = _____

diagonal = _____

OV = (14 – 4x) ft ; UW = (6x) ft

x = _____

diagonal = _____