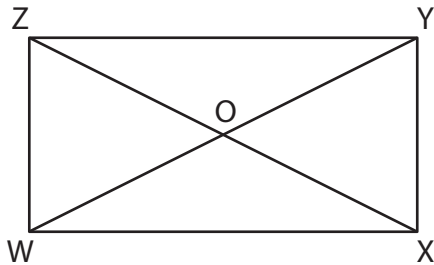


Diagonal of a Rectangle

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

1)

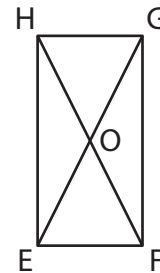


$WY = (4x + 19)$ ft ; $XZ = (-5x - 8)$ ft

$x =$ _____

diagonal = _____

2)



$OH = (10x - 3)$ yd ; $OF = (1 + 9x)$ yd

$x =$ _____

diagonal = _____

3)



$QS = (-12 + x)$ yd

$x =$ _____

diagonal = _____

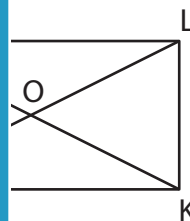
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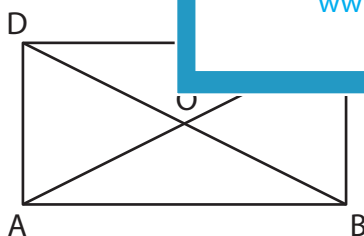


$OL = (3x + 13)$ in

$x =$ _____

diagonal = _____

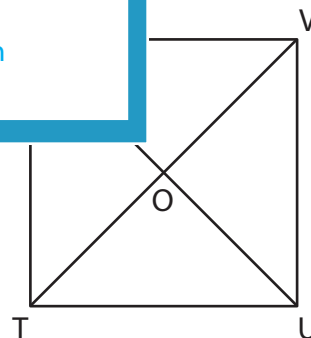
5)



$OA = (8x - 24)$ in ; $OB = (5x)$ in

$x =$ _____

diagonal = _____



$OV = (14 - 4x)$ ft ; $UW = (6x)$ ft

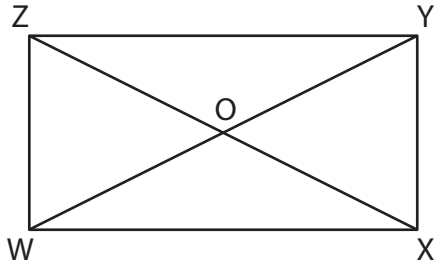
$x =$ _____

diagonal = _____

Diagonal of a Rectangle

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

1)

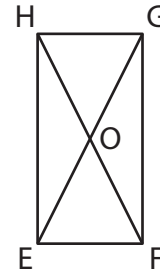


$WY = (4x + 19)$ ft ; $XZ = (-5x - 8)$ ft

$x =$ _____

diagonal = _____

2)



$OH = (10x - 3)$ yd ; $OF = (1 + 9x)$ yd

_____ **4** _____

_____ **74 yd** _____

3)



$QS = (-12 + x)$ yd

$x =$ _____

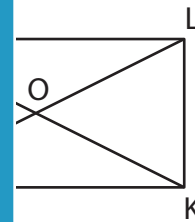
diagonal = _____

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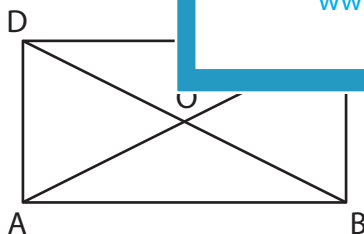


; $OL = (3x + 13)$ in

_____ **-2** _____

_____ **14 in** _____

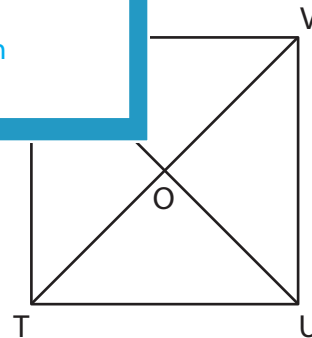
5)



$OA = (8x - 24)$ in ; $OB = (5x)$ in

$x =$ _____ **8** _____

diagonal = _____ **80 in** _____



$OV = (14 - 4x)$ ft ; $UW = (6x)$ ft

$x =$ _____ **2** _____

diagonal = _____ **12 ft** _____