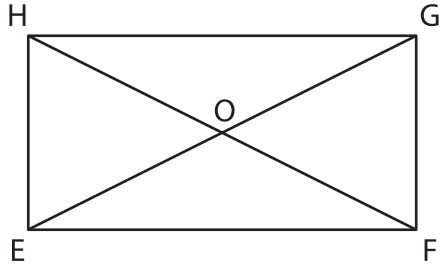


Diagonal of a Rectangle

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

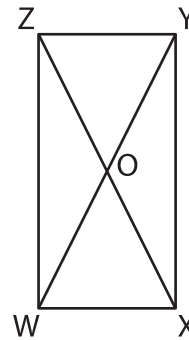
1)



$EG = (-3x)$ in ; $FH = (9x + 36)$ in

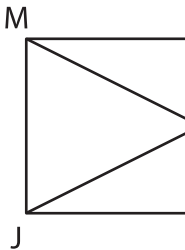
$x =$ _____
 diagonal = _____

2)



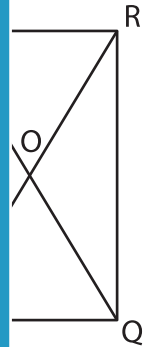
$OW = (25 - 2x)$ yd ; $OY = (-5x + 4)$ yd

3)



$JL = (x - 5)$ yd ; $OJ =$ _____

$x =$ _____
 diagonal = _____



$OQ = (4x)$ ft

PREVIEW

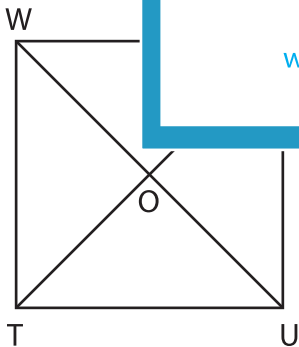
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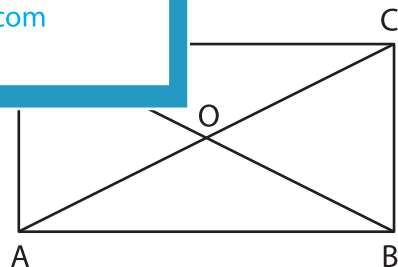
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5)



$OT = (3x + 2)$ ft ; $UW = (2x + 64)$ ft

$x =$ _____
 diagonal = _____



$OD = (1 + 6x)$ in ; $OB = (8x - 11)$ in

$x =$ _____
 diagonal = _____