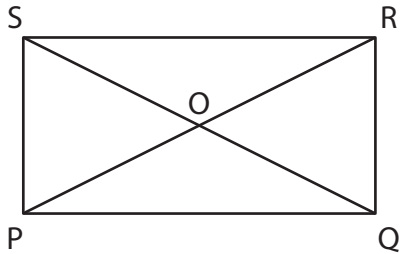


Diagonal of a Rectangle

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

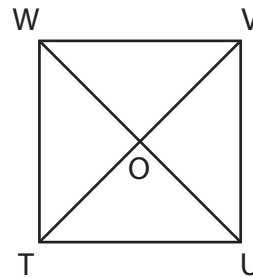
1)



$OP = (67 + 10x)$ in ; $OQ = (-4x - 3)$ in

$x =$ _____
 diagonal = _____

2)



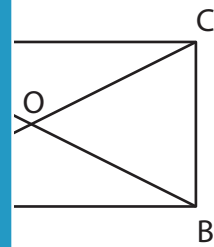
$TV = (2x - 2)$ ft ; $OU = (-3x + 47)$ ft

3)



$JL = (-9x)$ ft ; $KM =$ _____

$x =$ _____
 diagonal = _____



_____ ; $OD = (7x - 37)$ in

PREVIEW

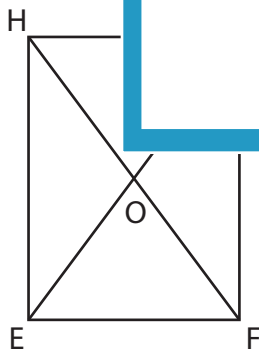
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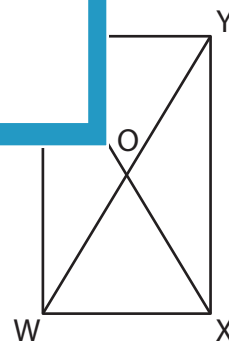
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5)



$OH = (55 - 8x)$ yd ; $OG = (3x)$ yd

$x =$ _____
 diagonal = _____



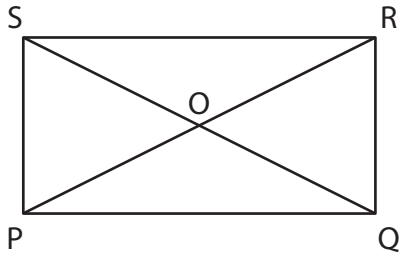
$WY = (x + 4)$ yd ; $OY = \left(\frac{3x}{4}\right)$ yd

$x =$ _____
 diagonal = _____

Diagonal of a Rectangle

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

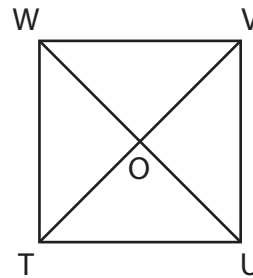
1)



$OP = (67 + 10x)$ in ; $OQ = (-4x - 3)$ in

$x =$ _____
 diagonal = _____

2)



$TV = (2x - 2)$ ft ; $OU = (-3x + 47)$ ft

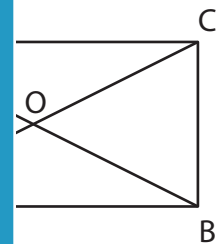
_____ **12** _____
 _____ **22 ft** _____

3)



$JL = (-9x)$ ft ; $KM =$ _____

$x =$ _____
 diagonal = _____



_____ ; $OD = (7x - 37)$ in

_____ **8** _____
 _____ **38 in** _____

PREVIEW

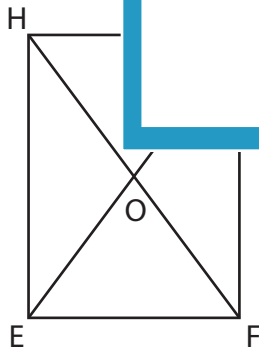
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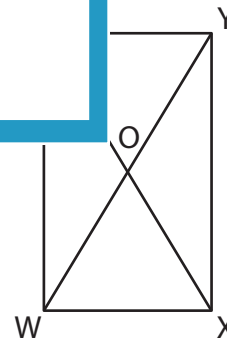
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5)



$OH = (55 - 8x)$ yd ; $OG = (3x)$ yd

$x =$ _____ **5** _____
 diagonal = _____ **30 yd** _____



$WY = (x + 4)$ yd ; $OY = \left(\frac{3x}{4}\right)$ yd

$x =$ _____ **8** _____
 diagonal = _____ **12 yd** _____