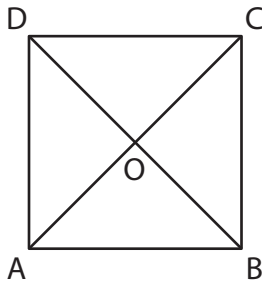


Diagonal of a Rectangle

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

1)

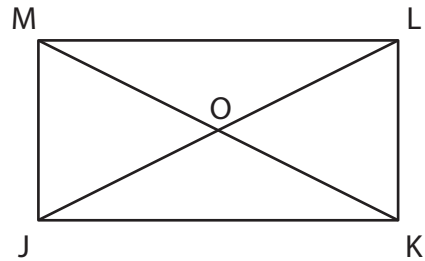


$OD = \left(\frac{5x}{2}\right)$ yd ; $BD = (3 + 2x)$ yd

$x =$ _____

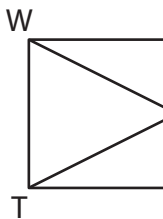
diagonal = _____

2)



$OK = (60 + 7x)$ ft ; $OL = (-8x)$ ft

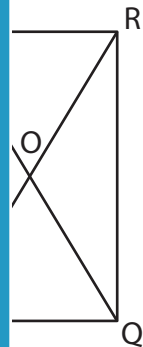
3)



$OU = (-x + 11)$ in

$x =$ _____

diagonal = _____



_____ ; $PR = (6x - 76)$ yd

PREVIEW

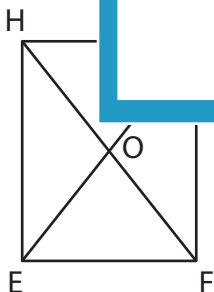
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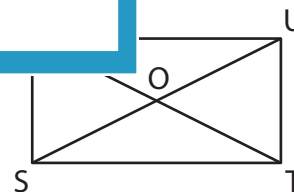
5)



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

$x =$ _____

diagonal = _____



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

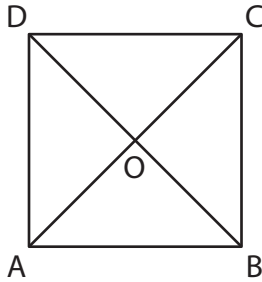
$x =$ _____

diagonal = _____

Diagonal of a Rectangle

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

1)

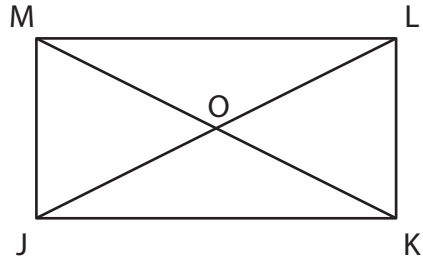


$OD = \left(\frac{5x}{2}\right)$ yd ; $BD = (3 + 2x)$ yd

$x =$ _____

diagonal = _____

2)

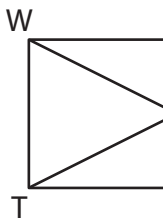


$OK = (60 + 7x)$ ft ; $OL = (-8x)$ ft

_____ **-4**

_____ **64 ft**

3)



$OU = (-x + 11)$ in

$x =$ _____

diagonal = _____

PREVIEW

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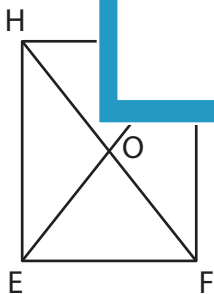


_____ ; $PR = (6x - 76)$ yd

_____ **15**

_____ **14 yd**

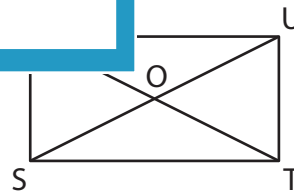
5)



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

$x =$ _____ **-6**

diagonal = _____ **14 ft**



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

$x =$ _____ **1**

diagonal = _____ **12 in**