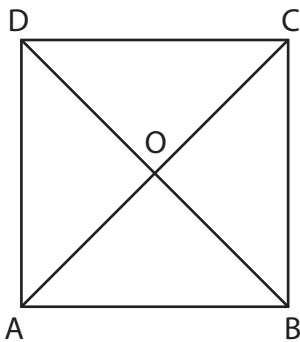


Diagonal of a Rectangle

Find the value of x .

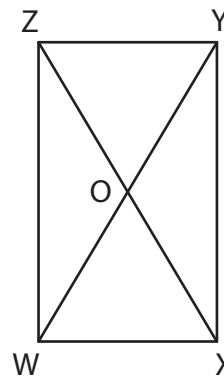
1)



$$AC = (6x) \text{ ft} ; BD = 30 \text{ ft}$$

$$x = \underline{\hspace{2cm}}$$

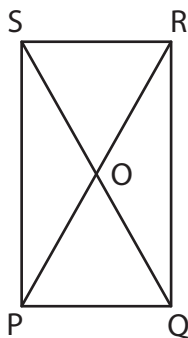
2)



$$WY = 44 \text{ yd} ; OY = (37 + 5x) \text{ yd}$$

$$x = \underline{\hspace{2cm}}$$

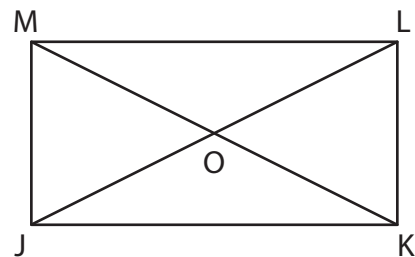
3)



$$QS = 62 \text{ in} ; OQ = (10x - 89) \text{ in}$$

$$x = \underline{\hspace{2cm}}$$

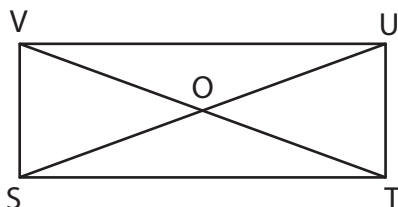
4)



$$KM = 56 \text{ ft} ; OM = \left(\frac{x}{2}\right) \text{ ft}$$

$$x = \underline{\hspace{2cm}}$$

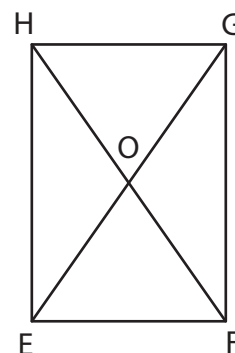
5)



$$OU = (78 - 7x) \text{ yd} ; OT = 8 \text{ yd}$$

$$x = \underline{\hspace{2cm}}$$

6)



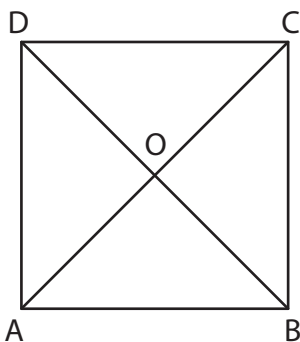
$$OF = 17 \text{ in} ; EG = (x + 15) \text{ in}$$

$$x = \underline{\hspace{2cm}}$$

Diagonal of a Rectangle

Find the value of x .

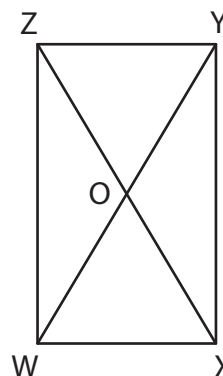
1)



$$AC = (6x) \text{ ft}; BD = 30 \text{ ft}$$

$$x = \underline{\hspace{2cm} \mathbf{5} \hspace{2cm}}$$

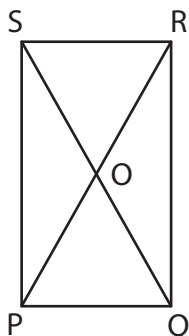
2)



$$WY = 44 \text{ yd}; OY = (37 + 5x) \text{ yd}$$

$$x = \underline{\hspace{2cm} \mathbf{-3} \hspace{2cm}}$$

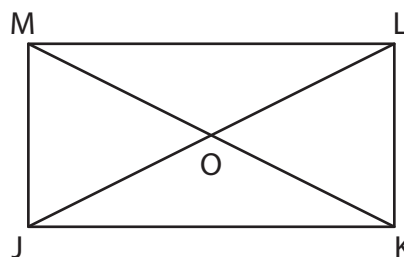
3)



$$QS = 62 \text{ in}; OQ = (10x - 89) \text{ in}$$

$$x = \underline{\hspace{2cm} \mathbf{12} \hspace{2cm}}$$

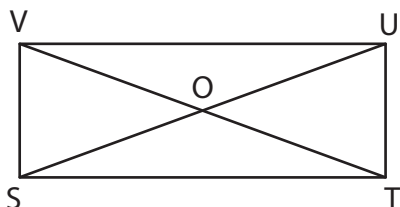
4)



$$KM = 56 \text{ ft}; OM = \left(\frac{x}{2}\right) \text{ ft}$$

$$x = \underline{\hspace{2cm} \mathbf{56} \hspace{2cm}}$$

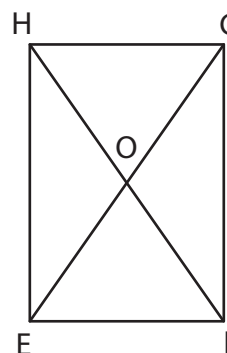
5)



$$OU = (78 - 7x) \text{ yd}; OT = 8 \text{ yd}$$

$$x = \underline{\hspace{2cm} \mathbf{10} \hspace{2cm}}$$

6)



$$OF = 17 \text{ in}; EG = (x + 15) \text{ in}$$

$$x = \underline{\hspace{2cm} \mathbf{19} \hspace{2cm}}$$