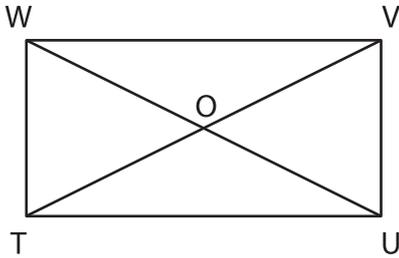Name : _____

Diagonal of a Rectangle

Solve for x and then find the length of the diagonal.
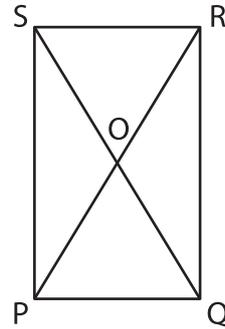
1)

W   V

O

T   U

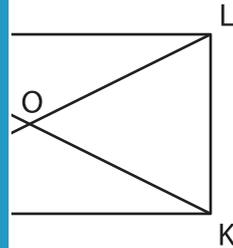OV = (32 − 3x) ft ; OW = (5x) ft

x = _____

diagonal = _____

2)

S   R

O

P   Q

PR = (6x − 50) in ; OP = $\left(\dfrac{x}{2}\right)$ in

3)

D

A

AC = (−7 + 9x) in

x = _____

diagonal = _____

L

O

K

) yd ; JL = (8x) yd

5)

V

O

S   T
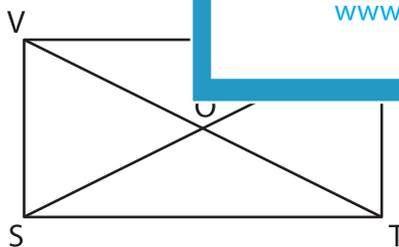
OS = (29 + x) yd ; OV = (9 + 2x) yd

x = _____

diagonal = _____

G

O

E   F
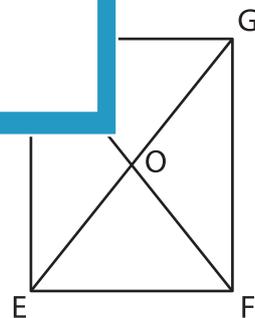
OF = (−9x − 24) ft ; OH = (8 − 5x) ft

x = _____

diagonal = _____

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