

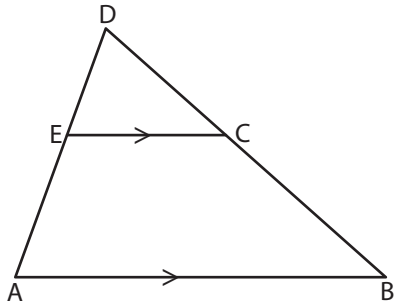
Name : _____

Similar Triangles

T2S1

Find the value of x .

1)

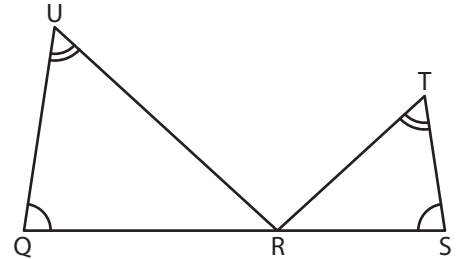


$AB = 49$ in ; $AD = 35$ in ;

$CE = 21$ in ; D

$x =$ _____

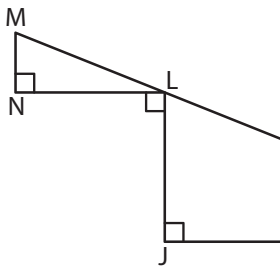
2)



$TR = 11$ ft ; $SR = 9$ ft ;

$QR = 6$ ft ; $UR = (4x)$ ft

3)



$MN = 4$ yd ; N

$LJ = 10$ yd ;

$x =$ _____

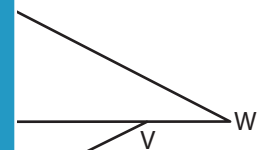
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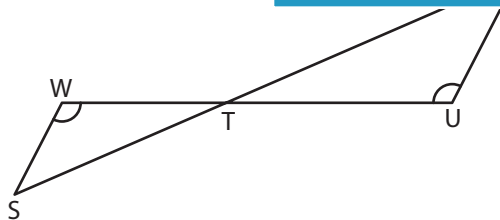
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8 in ; $XY = 24$ in ;

$(-2x)$ in ; $UY = 21$ in

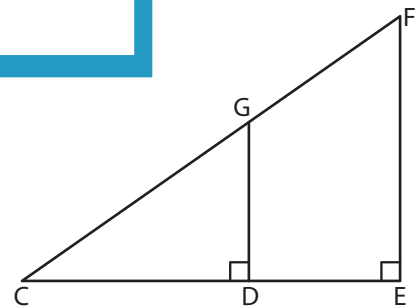
5)



$WS = (-x + 25)$ ft ; $WT = 44$ ft ;

$UV = 40$ ft ; $TU = 55$ ft

$x =$ _____



$CE = 50$ yd ; $EF = 35$ yd ;

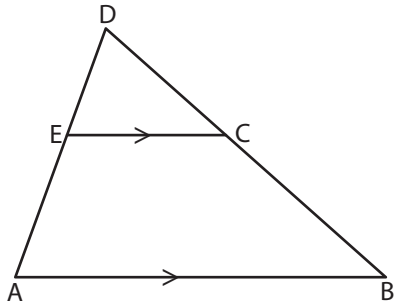
$CD = (3x + 12)$ yd ; $DG = 21$ yd

$x =$ _____

Similar Triangles

Find the value of x .

1)

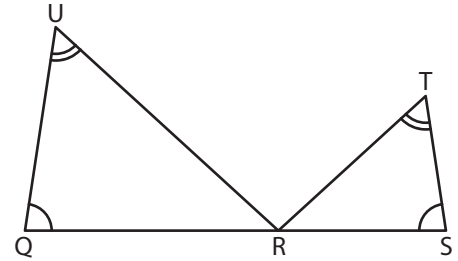


$AB = 49$ in ; $AD = 35$ in ;

$CE = 21$ in ; D

$x =$ _____

2)

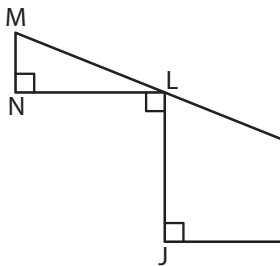


$TR = 11$ ft ; $SR = 9$ ft ;

$QR = 6$ ft ; $UR = (4x)$ ft

$x =$ 11

3)



$MN = 4$ yd ; N

$LJ = 10$ yd ;

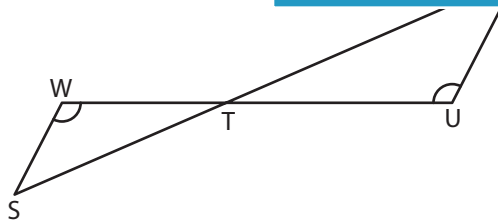
$x =$ _____

$LN = 8$ in ; $XY = 24$ in ;

$YV = (2x)$ in ; $UY = 21$ in

$x =$ -13

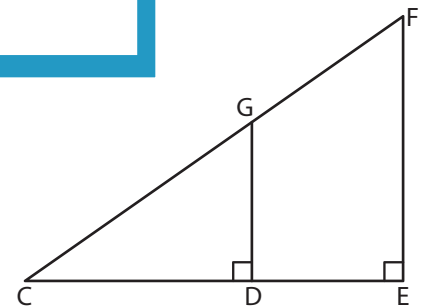
5)



$WS = (-x + 25)$ ft ; $WT = 44$ ft ;

$UV = 40$ ft ; $TU = 55$ ft

$x =$ -7



$CE = 50$ yd ; $EF = 35$ yd ;

$CD = (3x + 12)$ yd ; $DG = 21$ yd

$x =$ 6

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