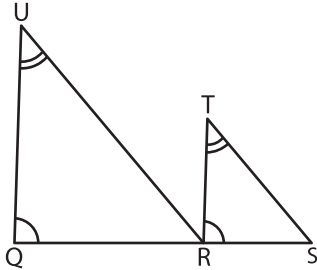


# Similar Triangles

Find the value of  $x$ .

1)

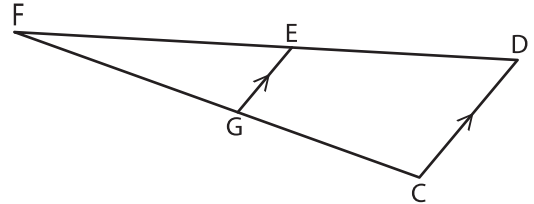


$RS = (-6x + 4)$  ft ;  $TS = 24$  ft ;

$UR = 42$  ft ;

$x =$  \_\_\_\_\_

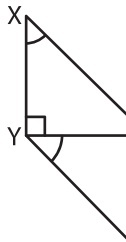
2)



$FG = 15$  yd ;  $EG = 3$  yd ;

$GC = x$  yd ;  $CD = 5$  yd

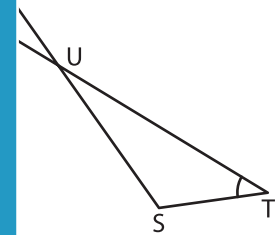
3)



$XY = (3 - x)$  in

$YV = 18$  in ;

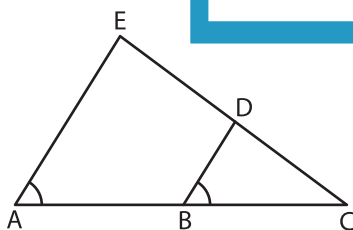
$x =$  \_\_\_\_\_



$UV = 40$  ft ;

$US = (x + 30)$  ft

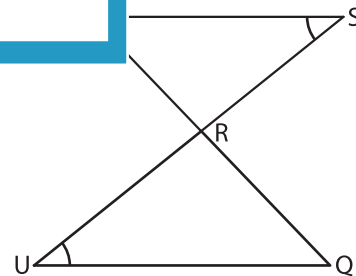
5)



$AC = 49$  yd ;  $AE = 28$  yd ;

$CB = (3x)$  yd ;  $BD = 12$  yd

$x =$  \_\_\_\_\_



$UQ = 60$  in ;  $RU = (10 + 2x)$  in ;

$SR = 35$  in ;  $TS = 50$  in

$x =$  \_\_\_\_\_

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