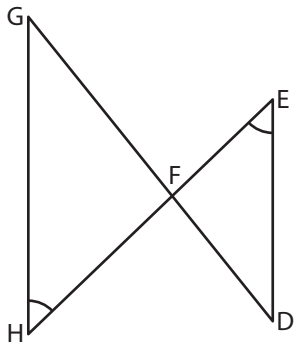
Name : _____

Similar Triangles

T2S3

Find the value of x.

1)

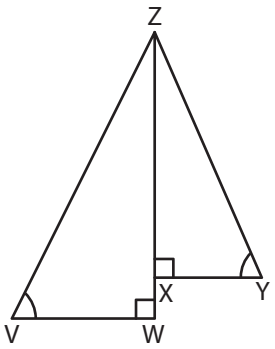


FE = 5 yd ; DE = 10 yd ;

GH = (6x) yd

x = _____

2)

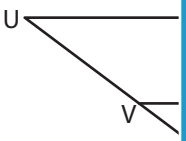


YZ = 30 in ; XY = 12 in ;

+ 4) in ; VZ = 35 in

_____

3)



UR = 40 ft ; RT

VR = 25 ft ;

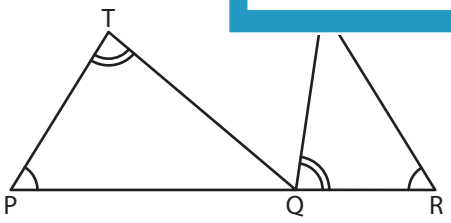
x = _____

1) yd ; BC = 2 yd ;

) yd ; BE = 27 yd

_____

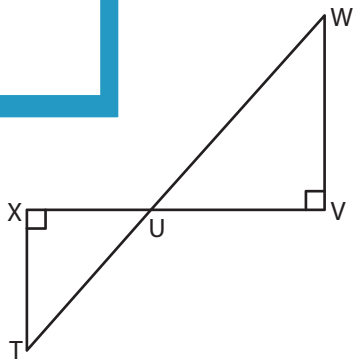
5)



QR = 21 in ; RS = 36 in ;

PQ = 48 in ; TP = (7x) in

x = _____



TU = 45 ft ; XU = (–4x + 2) ft ;

UV = 42 ft ; UW = 63 ft

x = _____

Name : _____

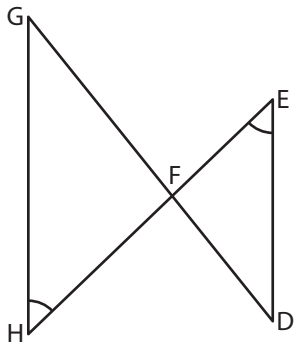
Answer key

Similar Triangles

T2S3

Find the value of x.

1)

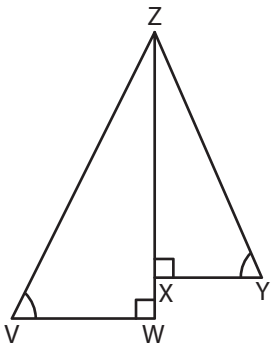


FE = 5 yd ; DE = 10 yd ;

GH = (6x) yd

x = _____

2)

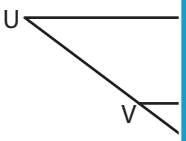


YZ = 30 in ; XY = 12 in ;

+ 4) in ; VZ = 35 in

x = **–10**

3)



UR = 40 ft ; RT

VR = 25 ft ;

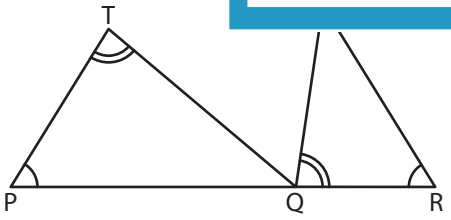
1) yd ; BC = 2 yd ;

yd ; BE = 27 yd

x = _____

5

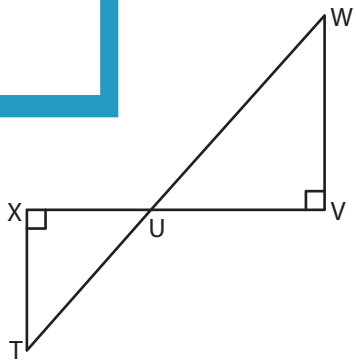
5)



QR = 21 in ; RS = 36 in ;

PQ = 48 in ; TP = (7x) in

x = **4**



TU = 45 ft ; XU = (–4x + 2) ft ;

UV = 42 ft ; UW = 63 ft

x = **–7**