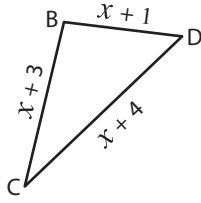


## Missing Sides

Find the value of  $x$  and compute the length of the sides for each triangle.

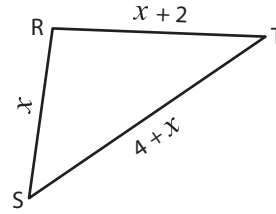
1)



Perimeter = 17 in ;  $x =$  \_\_\_\_\_ ;

BC = \_\_\_\_\_ ; CD = \_\_\_\_\_ ; BD = \_\_\_\_\_

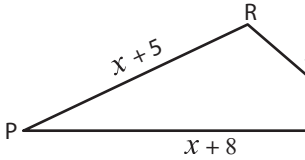
2)



Perimeter = 21 ft ;  $x =$  \_\_\_\_\_ ;

RS = \_\_\_\_\_ ; ST = \_\_\_\_\_ ; RT = \_\_\_\_\_

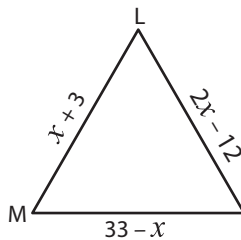
3)



Perimeter = 36 yd ;  $x =$  \_\_\_\_\_ ;

PQ = \_\_\_\_\_ ; QR = \_\_\_\_\_

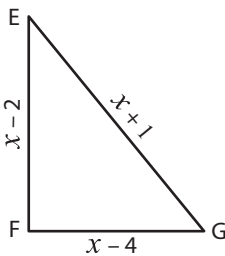
5)



Perimeter = 54 ft ;  $x =$  \_\_\_\_\_ ;

LM = \_\_\_\_\_ ; MN = \_\_\_\_\_

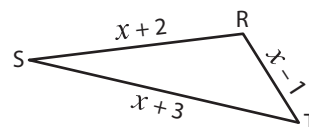
7)



Perimeter = 31 in ;  $x =$  \_\_\_\_\_ ;

EF = \_\_\_\_\_ ; FG = \_\_\_\_\_ ; EG = \_\_\_\_\_

8)



Perimeter = 16 ft ;  $x =$  \_\_\_\_\_ ;

RS = \_\_\_\_\_ ; ST = \_\_\_\_\_ ; RT = \_\_\_\_\_

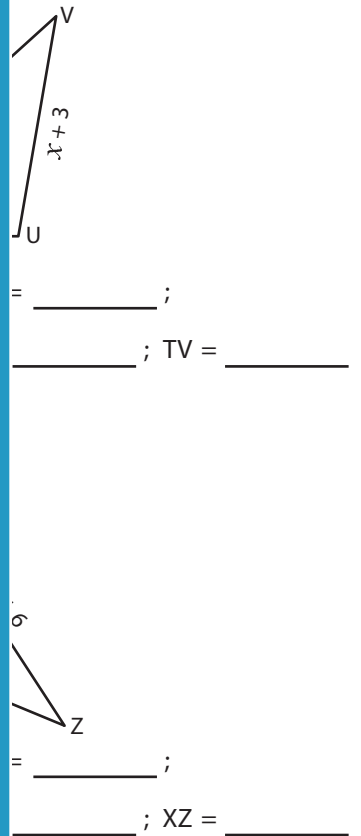
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Name : \_\_\_\_\_

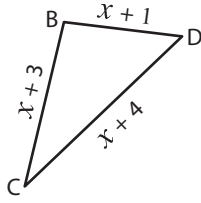
## Answer key

Sheet 1

### Missing Sides

Find the value of  $x$  and compute the length of the sides for each triangle.

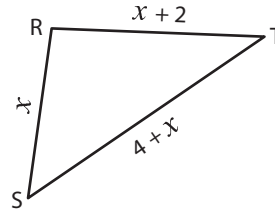
1)



Perimeter = 17 in ;  $x = \underline{3 \text{ in}}$  ;

$BC = \underline{6 \text{ in}}$  ;  $CD = \underline{7 \text{ in}}$  ;  $BD = \underline{4 \text{ in}}$

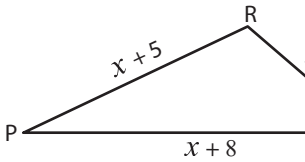
2)



Perimeter = 21 ft ;  $x = \underline{5 \text{ ft}}$  ;

$RS = \underline{5 \text{ ft}}$  ;  $ST = \underline{9 \text{ ft}}$  ;  $RT = \underline{7 \text{ ft}}$

3)



Perimeter = 36 yd ;  $x = \underline{8}$

$PQ = \underline{16 \text{ yd}}$  ;  $QR = \underline{7 \text{ yd}}$

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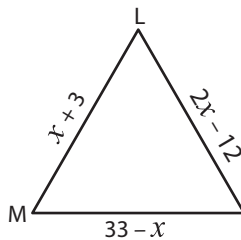
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$UV = \underline{10 \text{ in}}$  ;

$VW = \underline{13 \text{ in}}$  ;  $UW = \underline{16 \text{ in}}$

5)



Perimeter = 54 ft ;  $x = \underline{1}$

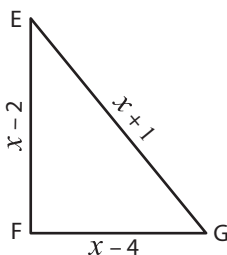
$LM = \underline{18 \text{ ft}}$  ;  $MN = \underline{18 \text{ ft}}$



$XY = \underline{4 \text{ yd}}$  ;

$YZ = \underline{14 \text{ yd}}$  ;  $XZ = \underline{14 \text{ yd}}$

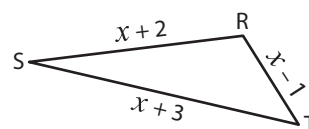
7)



Perimeter = 31 in ;  $x = \underline{12 \text{ in}}$  ;

$EF = \underline{10 \text{ in}}$  ;  $FG = \underline{8 \text{ in}}$  ;  $EG = \underline{13 \text{ in}}$

8)



Perimeter = 16 ft ;  $x = \underline{4 \text{ ft}}$  ;

$RS = \underline{6 \text{ ft}}$  ;  $ST = \underline{7 \text{ ft}}$  ;  $RT = \underline{3 \text{ ft}}$