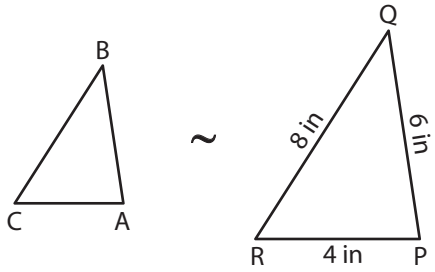
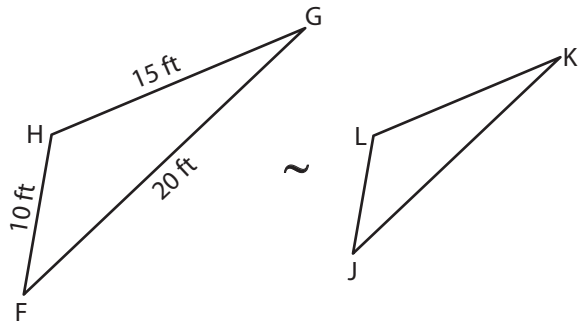
Name : _____

Similar Triangles - Finding Sides

1) Scale factor of ΔABC to ΔPQR is 1 : 2. Find the sides of ΔABC.



2) Scale factor of ΔFGH to ΔJKL is 5 : 3. Find the sides of ΔJKL.



3) Scale factor of ΔKLM t… /Z to ΔQRS is 6 : 1. Find the sides of ΔBCD.

5) The scale factor of sim… 2 ft and US = 15 ft, find the sides of the triangle D…

6) The scale factor of similar triangles ΔVWX to ΔCDE is 7 : 4. If CD = 8 yd, EC = 16 yd and DE = 12 yd, determine the sides of the triangle VWX.

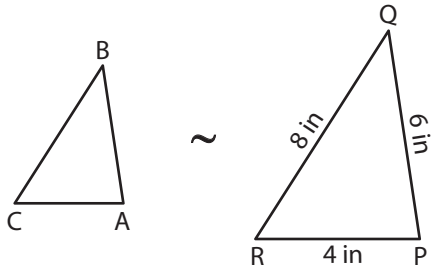
Name : _____

Answer key

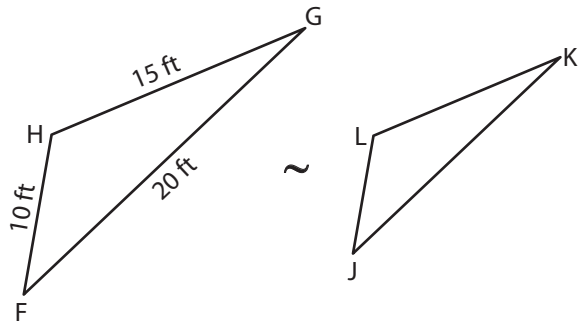
Similar Triangles - Finding Sides

Sheet 1

1) Scale factor of ΔABC to ΔPQR is 1 : 2. Find the sides of ΔABC.



2) Scale factor of ΔFGH to ΔJKL is 5 : 3. Find the sides of ΔJKL.



AB = 3 in ; BC = **KL = 9 ft ; LJ = 6 ft**

3) Scale factor of ΔKLM t YZ to ΔQRS is 6 : 1. Find the sides of ΔBCD.

BC = 4 yd ; CD = 1 **Z = 42 in ; ZX = 30 in**

5) The scale factor of sim 2 ft and US = 15 ft, find the sides of the triangle D

DE = 10 ft ; EF = 20 ft ; FD = 25 ft

6) The scale factor of similar triangles ΔVWX to ΔCDE is 7 : 4. If CD = 8 yd, EC = 16 yd and DE = 12 yd, determine the sides of the triangle VWX.

VW = 14 yd ; WX = 21 yd ; XV = 28 yd