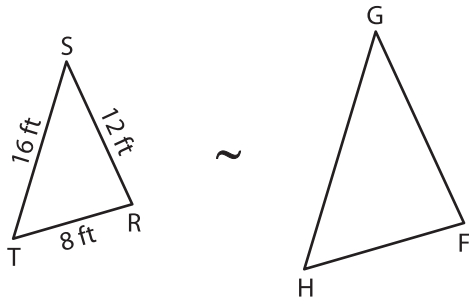


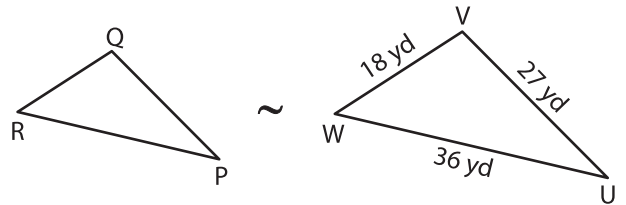
Name : \_\_\_\_\_

## Similar Triangles - Finding Sides

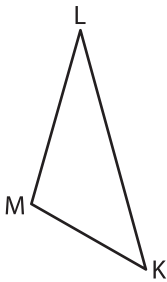
- 1) Scale factor of  $\triangle RST$  to  $\triangle FGH$  is 4 : 5. Find the sides of  $\triangle FGH$ .



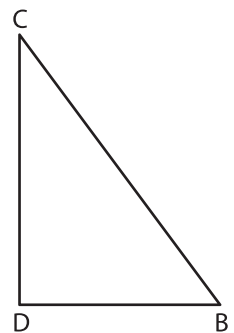
- 2) Scale factor of  $\triangle PQR$  to  $\triangle UVW$  is 2 : 9. Find the sides of  $\triangle PQR$ .



- 3) Scale factor of  $\triangle KLM$  to  $\triangle ABC$  is 3 : 4. Find the sides of  $\triangle KLM$ .



- 4) Scale factor of  $\triangle ABC$  to  $\triangle XYZ$  is 3 : 4. Find the sides of  $\triangle XYZ$ .



- 5) The scale factor of similar triangles  $\triangle ABC$  to  $\triangle DEF$  is 2 : 3. If  $AB = 45$  yd and  $ST = 35$  yd, determine the sides of  $\triangle DEF$ .

45 yd and  $ST = 35$  yd,

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- 6) The scale factor of similar triangles  $\triangle UVW$  to  $\triangle LMN$  is 8 : 3. If  $UV = 32$  in,  $VW = 56$  in and  $WU = 80$  in, find the sides of the triangle  $LMN$ .