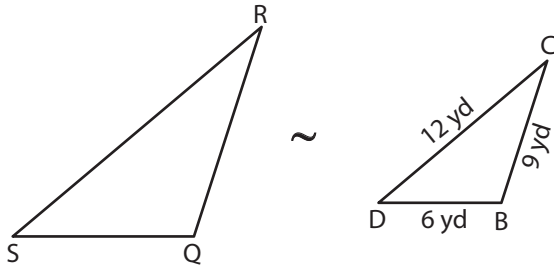


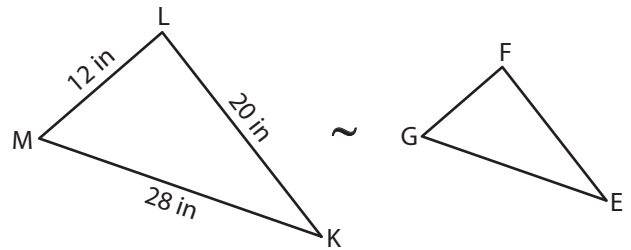
Name : _____

Similar Triangles - Finding Sides

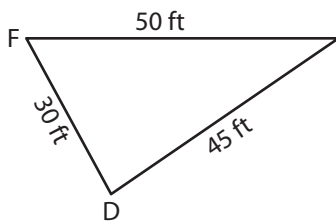
- 1) Scale factor of $\triangle QRS$ to $\triangle ABCD$ is 7 : 3. Find the sides of $\triangle QRS$.



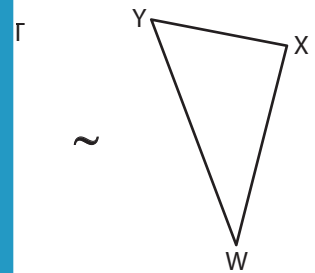
- 2) Scale factor of $\triangle EFG$ to $\triangle KLM$ is 1 : 4. Find the sides of $\triangle EFG$.



- 3) Scale factor of $\triangle PQR$ to $\triangle WXY$ is 8 : 7. Find the sides of $\triangle PQR$.



- 4) Scale factor of $\triangle PQR$ to $\triangle WXY$ is 8 : 7. Find the sides of $\triangle WXY$.



- 5) The scale factor of similar triangles $\triangle ABC$ to $\triangle XYZ$ is 4 : 3. If $AB = 20$ ft, $BC = 36$ ft and $CA = 24$ ft, determine the sides of the triangle XYZ .

- 6) The scale factor of similar triangles $\triangle ABC$ to $\triangle XYZ$ is 4 : 3. If $AB = 20$ ft, $BC = 36$ ft and $CA = 24$ ft, determine the sides of the triangle XYZ .

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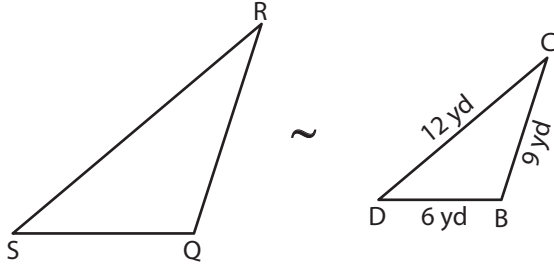
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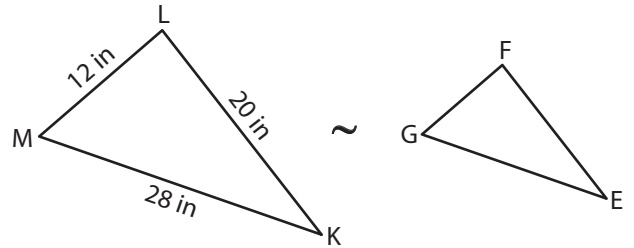
Similar Triangles - Finding Sides

- 1) Scale factor of $\triangle QRS$ to $\triangle ABCD$ is 7 : 3. Find the sides of $\triangle QRS$.



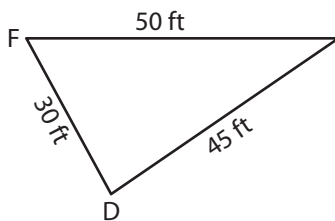
$QR = 21 \text{ yd} ; RS = 21 \text{ yd}$

- 2) Scale factor of $\triangle EFG$ to $\triangle KLM$ is 1 : 4. Find the sides of $\triangle EFG$.



$GF = 3 \text{ in} ; GE = 7 \text{ in}$

- 3) Scale factor of $\triangle PQR$ to $\triangle FDE$ is 3 : 5. Find the sides of $\triangle PQR$.



$PQ = 18 \text{ ft} ; QR = 27 \text{ ft}$

- 5) The scale factor of similar triangles $\triangle CDE$ to $\triangle ABC$ is 2 : 3. If $AB = 12$ in and $AC = 9$ in, find the sides of the triangle $\triangle CDE$.

$CD = 4 \text{ in} ; DE = 6 \text{ in} ; EC = 9 \text{ in}$

- 6) The scale factor of similar triangles $\triangle ABC$ to $\triangle XYZ$ is 4 : 3. If $AB = 20$ ft, $BC = 36$ ft and $CA = 24$ ft, determine the sides of the triangle $\triangle XYZ$.

$XY = 15 \text{ ft} ; YZ = 27 \text{ ft} ; ZX = 18 \text{ ft}$

PREVIEW

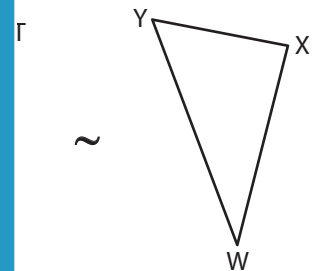
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- 4) Scale factor of $\triangle TUV$ to $\triangle WXY$ is 8 : 7. Find the sides of $\triangle TUV$.



$TU = 24 \text{ yd} ; UV = 36 \text{ yd}$

- 7) The scale factor of similar triangles $\triangle ABC$ to $\triangle DEF$ is 3 : 5. If $AB = 18$ in and $AC = 15$ in, find the sides of the triangle $\triangle DEF$.

$DE = 30 \text{ in} ; DF = 25 \text{ in}$