Grade 8

Review for Test on Similar Triangles

Determine if the following pair of triangles are similar.

1) In the diagram below, TR || XZ. Determine if $\Delta RYT \sim \Delta XWZ$



- 2) In the diagram, $\Delta DEF = \Delta GHJ$. The measures in inches are DE = 12, DF = 10, EF = 15, and GH = 9
 - a) Find HJ and GJ.

$$\frac{5M}{LG} = \frac{9}{12} = \frac{9}{10} \qquad \left| \begin{array}{c} \frac{5M}{LG} = \frac{9}{12} = \frac{1}{15} \\ \frac{12y}{12y} = 90 \\ \frac{12x}{12x} = \frac{135}{12x} \\ \frac{12x}{12x} = \frac{1$$



b) What is the ratio of the perimeters?

$$\frac{9}{12} = \frac{3}{4}$$

$$[Stah hocher = .75]$$

3) a) Is $\triangle ABC \sim \triangle DEF$?

b) Find the measure of BC and EF.

