

**Prove Triangles are Similar**

Yes in one triangle are the other triangle

es of all the triangles are

$$\frac{AB}{DE} = \frac{AC}{DF} = \frac{BC}{EF}$$

e of two pair of

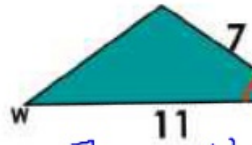
\_\_ are proportional AND the

\_\_ are congruent.

$$\frac{10}{12} =$$

SSS SAS <sup>83</sup> angles are similar. If so, tell which:

2.



N

$$\frac{7}{11} = \frac{11}{11}$$

4.

SSS



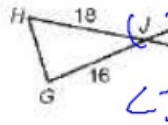
al angles and shared angles co

2C - Similarity

(SAS~, or AA~) and write

$$\begin{array}{r} \checkmark \\ +92 = 141 \\ 80 - 141 \\ = 39 \end{array}$$

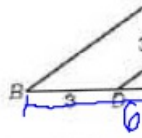
2)  $\triangle HGJ \sim$



3)  $\sim$

4)  $\triangle ADE \sim$

$$\begin{array}{r} \frac{15}{12} = \frac{15}{12} \\ 25 = 125 \checkmark \end{array}$$



$$\checkmark \\ 2 \cong \angle T \checkmark$$

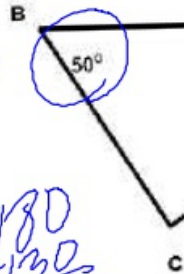
6)  $\triangle ABC \sim$

$$\begin{array}{r} \frac{10}{8} \\ 0 = 160 \checkmark \end{array}$$



$$\begin{array}{r} \sim \\ \angle K \checkmark \\ \cong \angle G \checkmark \end{array}$$

8)  $\triangle AEF \sim$



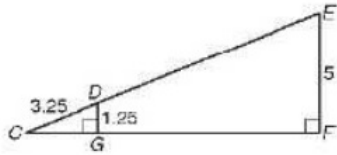
$$\begin{array}{r} 180 \\ - 130 \\ \hline 50 \end{array}$$

Similar (SSS~, SAS~, or AA~) and

10) Similar k



11) Similar by \_\_\_\_\_ and  $\overline{DE} =$  \_\_\_\_\_



12) Similar by \_\_\_\_\_ and  $\overline{RQ} =$  \_\_\_\_\_

