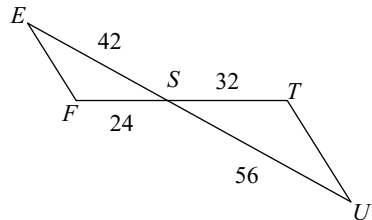


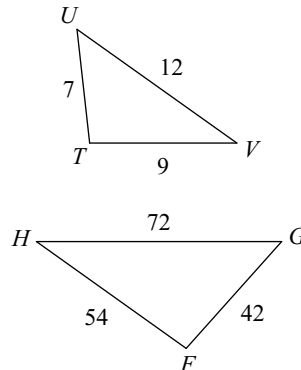
**Quiz 6.1**

State if the triangles in each pair are similar. If so, state how you know they are similar.

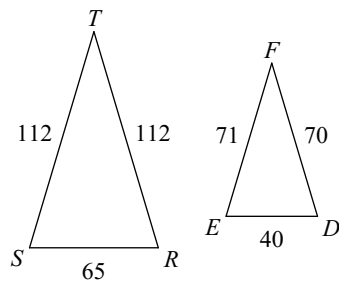
1)  $\triangle STU \sim \triangle SFE$



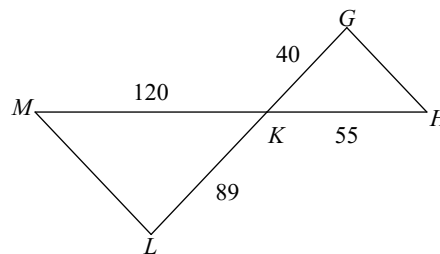
2)  $\triangle FGH \sim \triangle TUV$



3)  $\triangle RST \sim \triangle DEF$

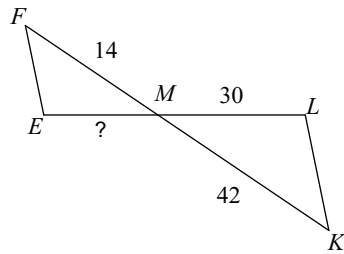


4)  $\triangle KLM \sim \triangle KGH$

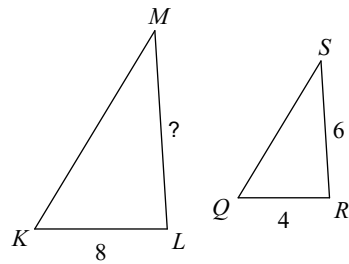


Find the missing length. The triangles in each pair are similar.

5)  $\triangle MLK \sim \triangle MEF$



6)  $\triangle MLK \sim \triangle SRQ$



7) Triangle A has interior angles of  $50^\circ$  and  $30^\circ$ . Triangle B has interior angles of  $30^\circ$  and  $100^\circ$ . Are they similar?

8) Triangle A has interior angles of  $42^\circ$  and  $98^\circ$ . Triangle B has interior angles of  $98^\circ$  and  $30^\circ$ . Are they similar?