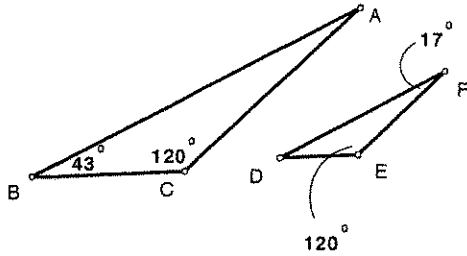


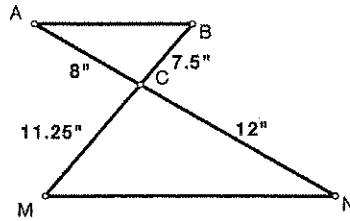
WORKSHEET - SIMILAR POLYGONS & TRIANGLES

Determine if each pair of triangles is similar. If they are similar, complete the similarity statement and state the method used to prove the similarity.

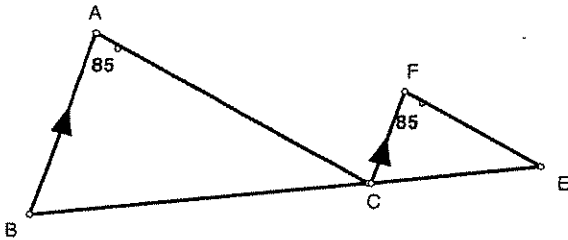
1) $\triangle ABC \sim \triangle \underline{\hspace{1cm}}$ by $\underline{\hspace{1cm}}$



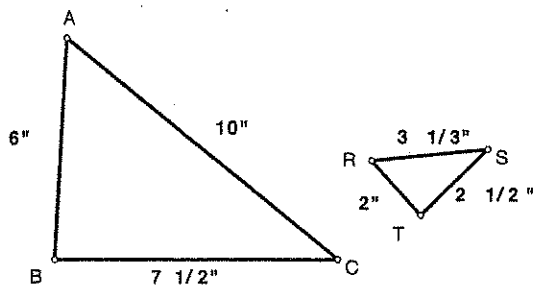
2) $\triangle ABC \sim \triangle \underline{\hspace{1cm}}$ by $\underline{\hspace{1cm}}$



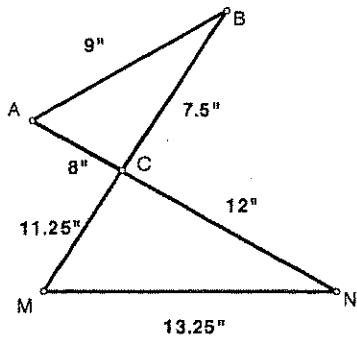
3) $\triangle ABC \sim \triangle \underline{\hspace{1cm}}$ by $\underline{\hspace{1cm}}$



4) $\triangle ABC \sim \triangle \underline{\hspace{1cm}}$ by $\underline{\hspace{1cm}}$



5) $\triangle ABC \sim \triangle \underline{\hspace{1cm}}$ by $\underline{\hspace{1cm}}$



17) $\triangle ABC \sim \triangle DEF$; $m\angle A = \underline{\hspace{1cm}}$; $m\angle E = \underline{\hspace{1cm}}$; $x = \underline{\hspace{1cm}}$;
 $y = \underline{\hspace{1cm}}$; $z = \underline{\hspace{1cm}}$.

The perimeter of $\triangle ABC$ is 36.

