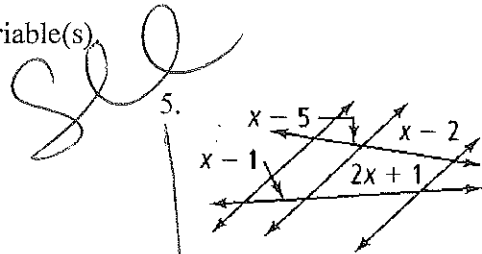
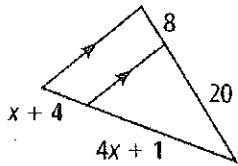
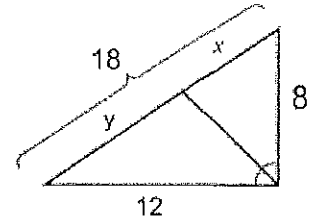


Solve for the missing variable(s)

4.

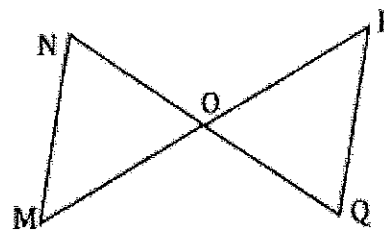
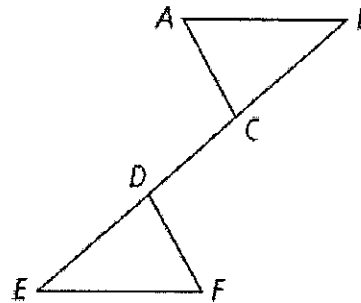


6.



Given: $\overline{AB} \parallel \overline{EF}, \overline{AC} \parallel \overline{DF}$

Prove: $\triangle ABC \sim \triangle FED$



Given: $MN \parallel QP$

Prove: $MO \cdot PQ = MN \cdot PO$

Make sure you write this property exactly like this where MO, PO or cross products etc.

- S*
- 1) $MN \parallel QP$
 - 2) $\angle N \cong \angle Q$
 - 3) $\angle M \cong \angle P$
 - 4) $\triangle MNO \sim \triangle POQ$
 - * 5) $\frac{MO}{PO} = \frac{MN}{PQ}$
 - 6) $MO \cdot PQ = MN \cdot PO$

- R*
- 1) Given
 - 2) Alt. Int & Thm
 - 3) Alt int & thm
 - 4) AA ~
 - 5) PSP
 - 6) Cross products are =