

2. If $\angle 4 = 118^\circ$, what is the measure of each of the other angles?

$$m\angle 1 = 62^\circ$$

$$m\angle 2 = 118^\circ$$

$$m\angle 3 = 62^\circ$$

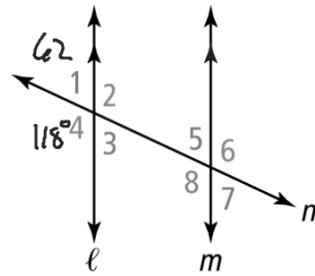
$$m\angle 4 = 118^\circ$$

$$m\angle 5 = 62^\circ$$

$$m\angle 6 = 118^\circ$$

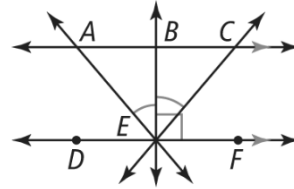
$$m\angle 7 = 62^\circ$$

$$m\angle 8 = 118^\circ$$

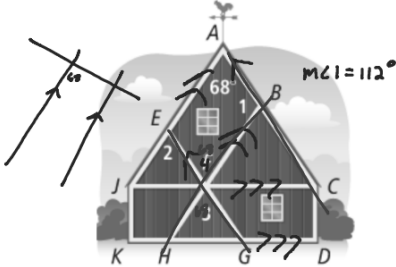


Given: $\overline{AC} \parallel \overline{DF}$, $\overline{BE} \perp \overline{DF}$, and $\angle AEB \cong \angle CEB$

Prove: $\angle BAE \cong \angle BCE$



The white trim shown for the wall of a barn should be constructed so that $\overline{AC} \parallel \overline{EG}$, $\overline{JA} \parallel \overline{HB}$, and $\overline{JC} \parallel \overline{KG}$.
 What should $m\angle 1$ and $m\angle 3$ be?



5. If $m\angle EJF = 56$, find $m\angle FHK$.

