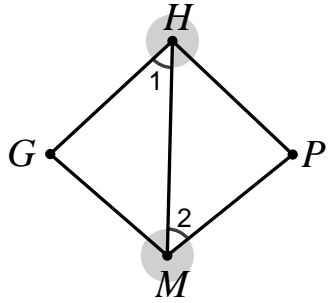


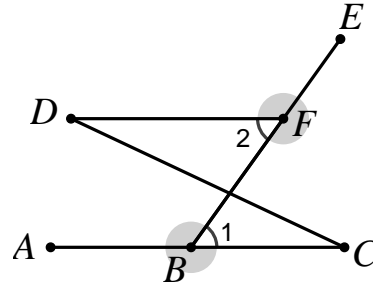
For the given angles in each picture:

- a. State which lines are parallel.
- b. State the reason why the lines are parallel.

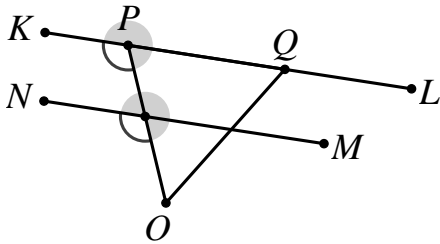
1.



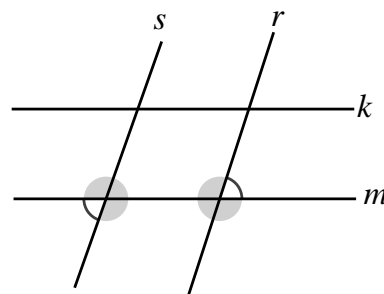
2.



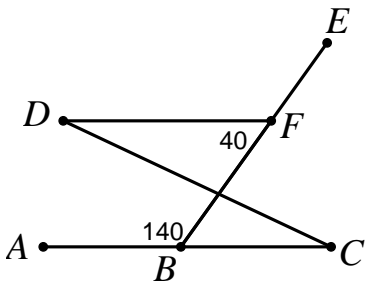
3.



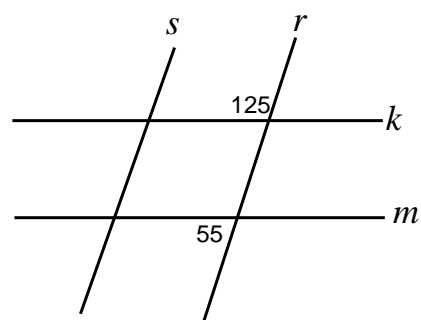
4.



5.



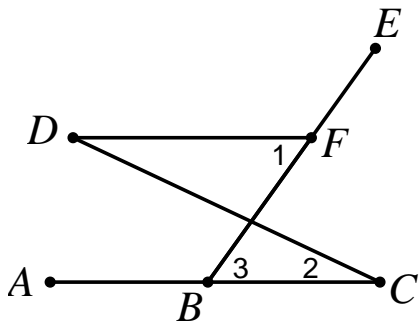
6.



Complete a Two-Column Proof:

7. Given: $\angle 1 \cong \angle 2$
 $\angle 2 \cong \angle 3$

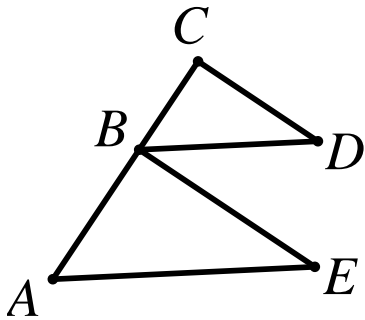
Prove: $\overline{DF} \parallel \overline{BC}$



Complete a Flow Chart Proof:

8. Given: $\overline{EB} \perp \overline{AC}$
 $\overline{AC} \perp \overline{DC}$

Prove: $\overline{EB} \parallel \overline{CD}$



Complete either a Two-Column, Paragraph or Flow Chart Proof:

9. Given: $\angle 1 \cong \angle 2$
 $\angle 3 \cong \angle 4$

Prove: $\overline{AB} \parallel \overline{CD}$

Hint: Use the givens to show $\angle ABC \cong \angle DCB$

