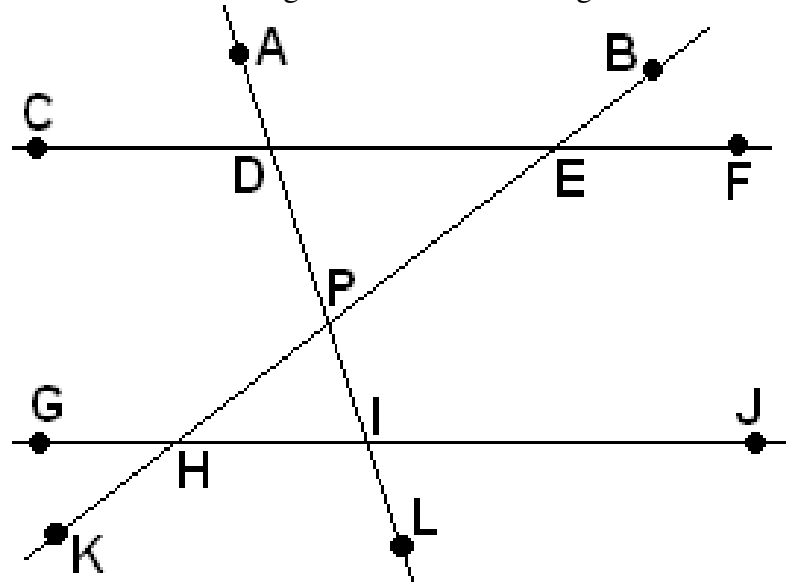
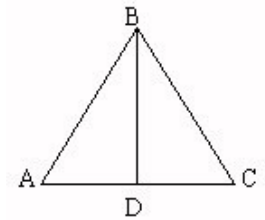


Finding Angle Measures

1. Given $\overline{CF} \parallel \overline{GJ}$, $m\angle BEF = 45^\circ$, $m\angle DPE = 80^\circ$. Find all other angle measures in the diagram and label.



2. If $m\angle K = (2x + 34)^\circ$, $m\angle G = (4x + 2)^\circ$ and $\angle K$ is the complement of $\angle G$, what are the measures of the two angles?
3. If $m\angle Q = (65 + 3x)^\circ$, $m\angle D = (2x + 165)^\circ$ and $\angle Q$ is the supplement of $\angle D$, what are the measures of the two angles?
4. If $m\angle L = (3x + 38)^\circ$, $m\angle P = (4x + 17)^\circ$ and $\angle L$ is the complement of $\angle P$, what are the measures of the two angles?
5. Given: $\overline{AC} \perp \overline{BD}$, $m\angle ADB = (4x - 22)^\circ$, and $m\angle CDB = (5x - 50)^\circ$. What is the value of x ?



6. The supplement of an angle is twenty-nine more than two times its complement. What is the measure of the angle?
7. Find the measure of an angle that is two hundred sixty-seven less than two times its supplement.