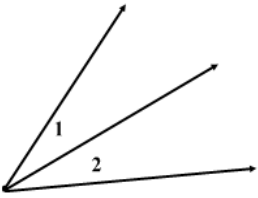
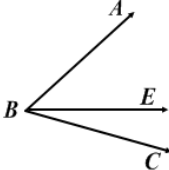
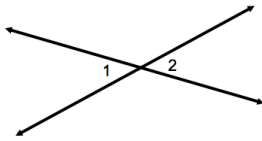
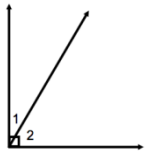
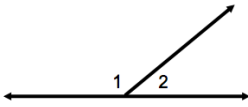
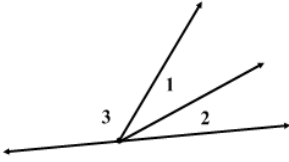
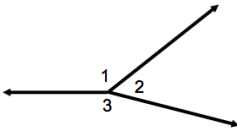
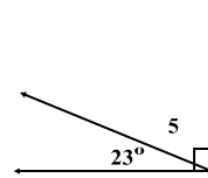
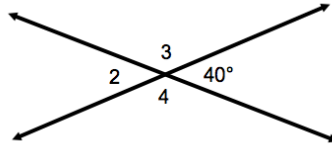
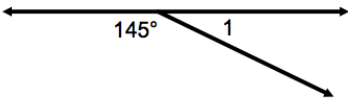


Geometry CC 1.8 - Angles

Name	Diagram	Fact/Discovery
Adjacent Angles		Two angles sharing a common vertex and a common side
Complementary Angles	$m\angle A + m\angle B = 90^\circ$	Two angles whose sum is 90 degrees. Complements
Supplementary Angles	$m\angle A + m\angle B = 180^\circ$	Two angles whose sum is 180 degrees. Supplements
Angle Addition		$m\angle ABE + m\angle EBC = m\angle ABC$
Vertical Angles		<p>Opposite angles formed by intersecting lines.</p> <p>Vertical angles are congruent.</p>
Angles forming a right angle sum 90 degrees.		If the exterior sides of two adjacent angles are perpendicular, they form a right angle and are complementary.
Linear Pair		Two angles forming a straight angle are a linear pair.
Consecutive adjacent angles on a line sum 180 degrees.		$m\angle 3 + m\angle 1 + m\angle 2 = 180^\circ$
Consecutive adjacent angles at a point sum 360 degrees.		$m\angle 1 + m\angle 2 + m\angle 3 = 360^\circ$

Part 1

Using the diagrams below, complete the table by finding the measure of each labeled angle and state a reason to justify your answer.

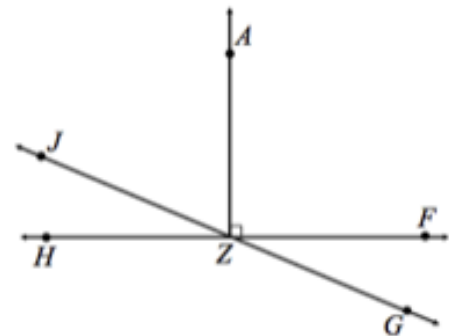


Angle	Angle Measure	Reason
$\angle 1$		
$\angle 2$		
$\angle 3$		
$\angle 4$		
$\angle 5$		

Part 2

Use the following diagram pictured to the right to answer the following:

- Name an angle supplementary to $\angle HZJ$ and provide the reason.
- Name an angle complementary to $\angle HZJ$ and provide the reason.
- Name an angle congruent to $\angle HZJ$ and provide the reason.
- State a pair of angles forming a linear pair.
- If $m\angle HZJ = 38^\circ$, what is the measure of each of the following angle? Provide reasons for your calculation.



1. $\angle FZG$

2. $\angle HZG$

3. $\angle AZJ$