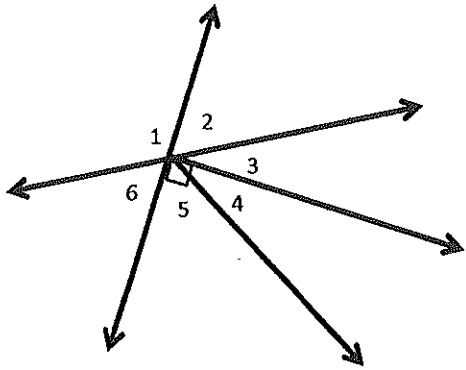


Special Pairs of Angles

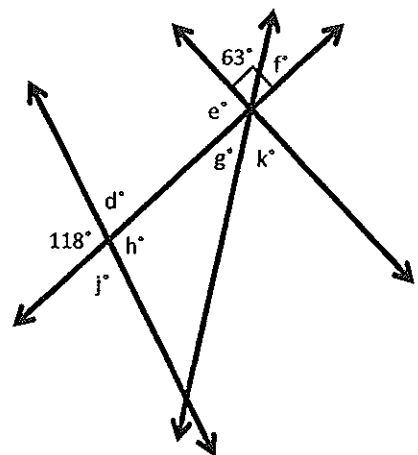
Name: _____
 Date: _____ Class: _____

Identify whether each pair of angles is a complementary pair, a supplementary pair, a pair of vertical angles, or none of these.



1. Angle 4 and Angle 5 _____
2. Angle 3 and Angle 4 _____
3. Angle 2 and Angle 6 _____
4. Angle 1 and Angle 6 _____
5. Angle 3 and Angle 6 _____
6. Angle 1 and Angle 2 _____

Find each angle measure.



7. $d =$ _____
8. $e =$ _____
9. $f =$ _____
10. $g =$ _____
11. $h =$ _____
12. $j =$ _____
13. $k =$ _____

14. Is it possible for two complementary angles to be congruent? If so, describe the angles. If not, explain why.

15. Will the supplement of an acute angle be acute as well? Explain.

16. Find the sum of your values for g and k in the above diagram. What type of relationship do these two angles have? Explain how you could have determined this using only the diagram.