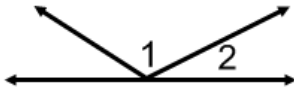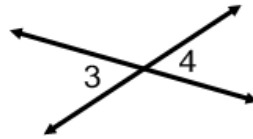Geometry Worksheet

Name: _____

Identify each pair of angles as adjacent, vertical, complementary, or supplementary.
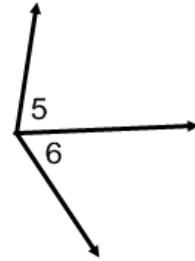
1.

2.

3.

4.
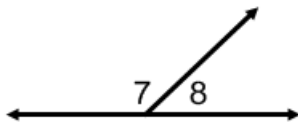
5.
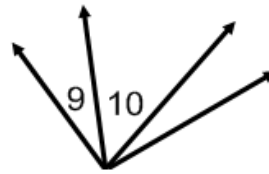
6.

7.

8.

9.

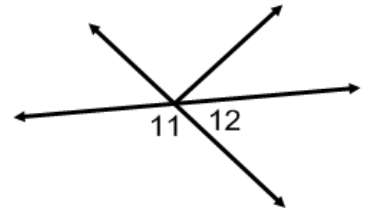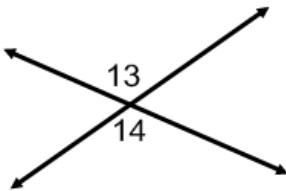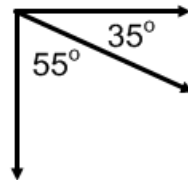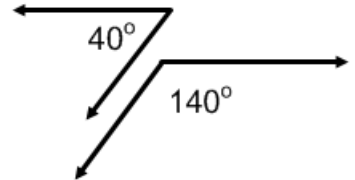**Use the figure at the right to answer each question.**
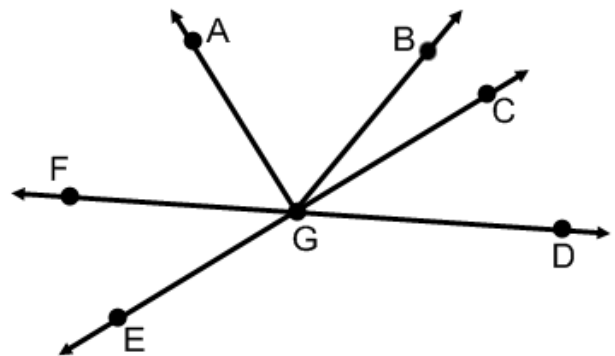
10. Name two acute vertical angles.

11. Name two obtuse vertical angles.

12. Name a pair of adjacent angles

13. Name an obtuse angle.
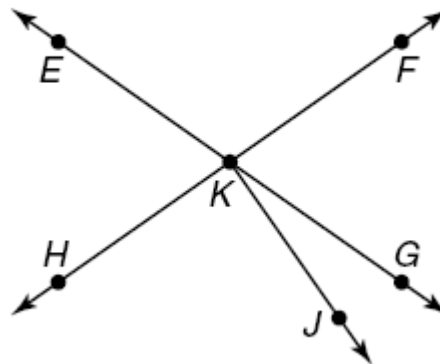
14. Name a pair of complementary angles.

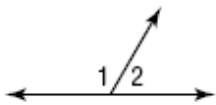15. Name an angle supplementary to $\angle FGE$

Geometry Worksheet

For #1-6, use the figure at the right.

1. Name two acute vertical angles.

2. Name two obtuse vertical angles.

3. Name an acute angle.

4. Name two acute adjacent angles.

5. Name an angle complementary to $\angle FKG$.

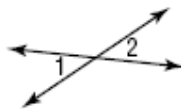6. Name an angle supplementary to $\angle FKG$.
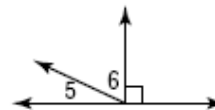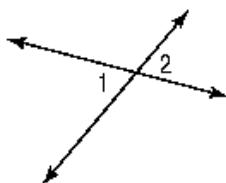
Find the measure of each numbered angle.
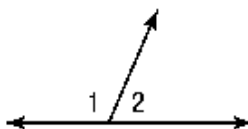
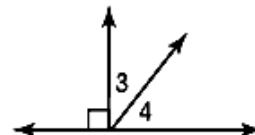7. $m\angle 2 = 57$

8. $m\angle 1 = 38$
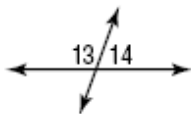
9. $m\angle 5 = 22$

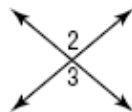10. $m\angle 1 = 65$

11. $m\angle 2 = 67$
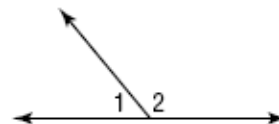
12. $m\angle 3 = 38$

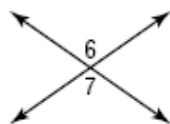13. $m\angle 13 = 4x + 11$,
$m\angle 14 = 3x + 1$

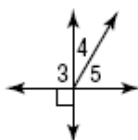14. $m\angle 2 = 4x - 26$,
$m\angle 3 = 3x + 4$

15. $m\angle 1 = x + 10$
$m\angle 2 = 3x + 18$

16. $m\angle 6 = 7x - 24$
$m\angle 7 = 5x + 14$

17. $m\angle 4 = 2x - 5$
$m\angle 5 = 4x - 13$

18. $\angle 7$ and $\angle 8$ are
complementary. $\angle 5 \cong \angle 8$
and $m\angle 6 = 29$.