10.

These two angles are:

Supplementary _____
Complementary _____
Angle x = _____

11.

These two angles are:
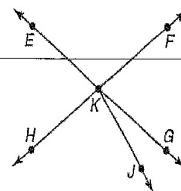
Supplementary _____
Complementary _____
Angle x = _____

12.

These two angles are:

Supplementary _____
Complementary _____
Angle x = _____

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 a linear pair.

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 $m\angle 6 = 29$.