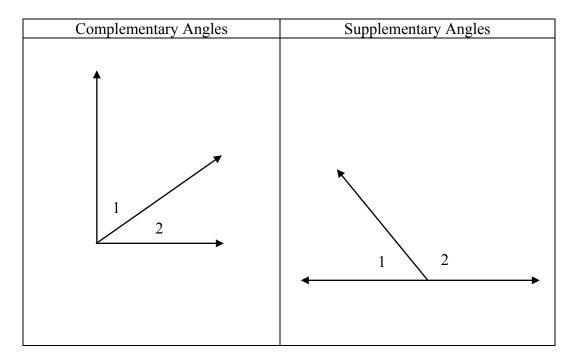
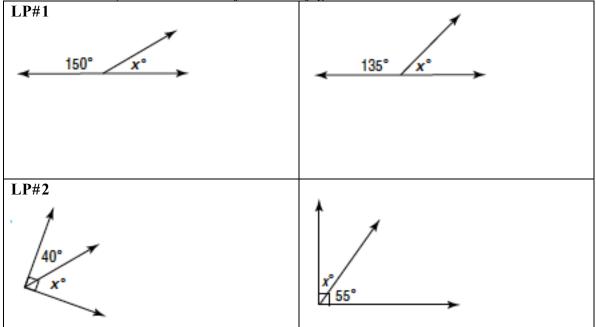
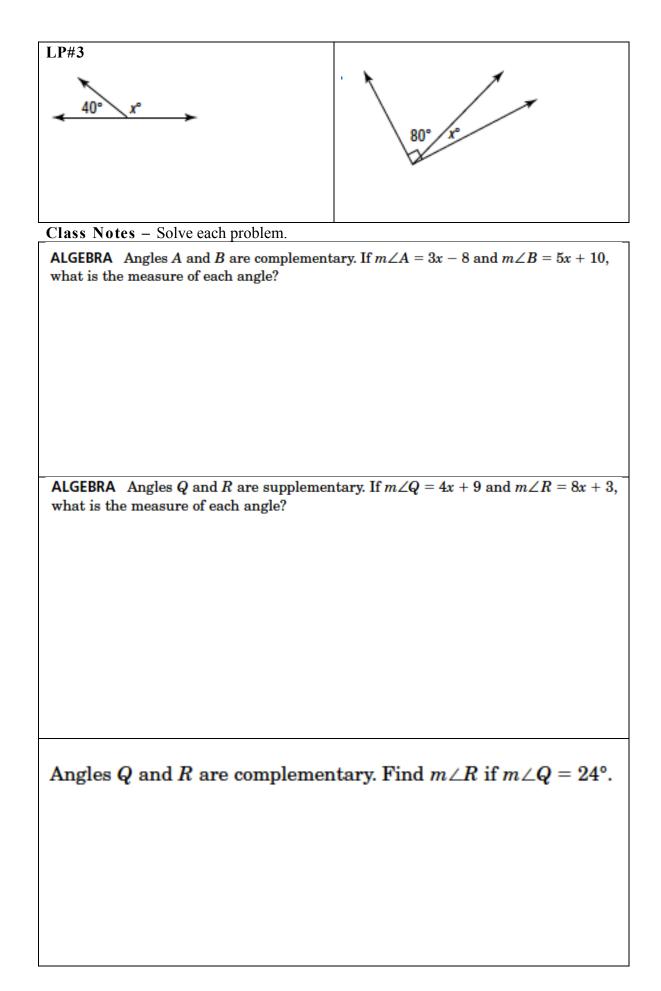
9.3 COMPLEMENTARY AND SUPPLEMENTARY ANGLES

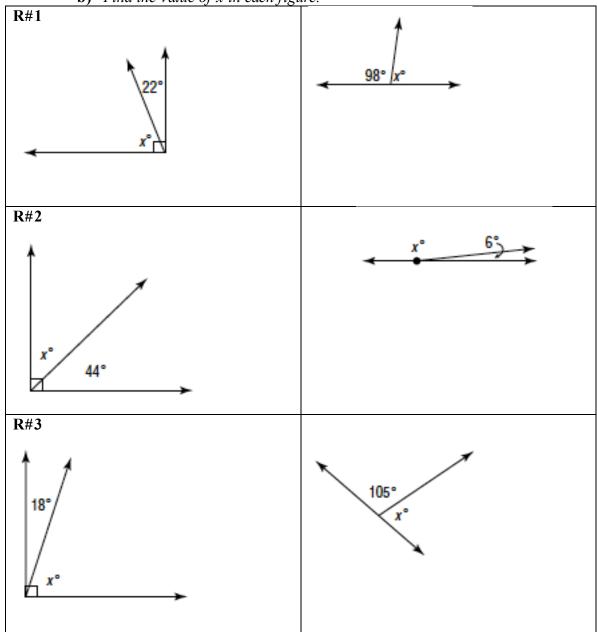
- **Complementary Angles** two angles in which the sum of the measures is 90 degrees.
- **Supplementary Angles** two angles in which the sum of the measures is 180 degrees.



Class Notes - a) State what type of angles are illustrated in the diagram.b) Find the value of x in each figure.



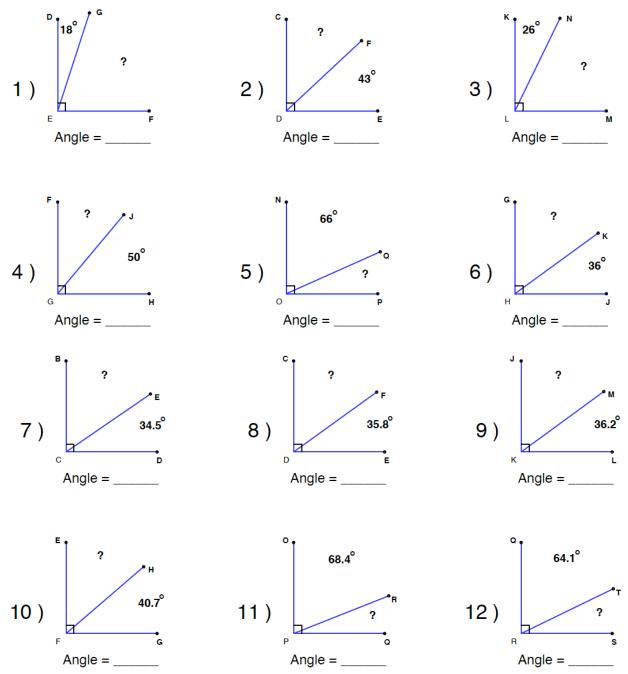


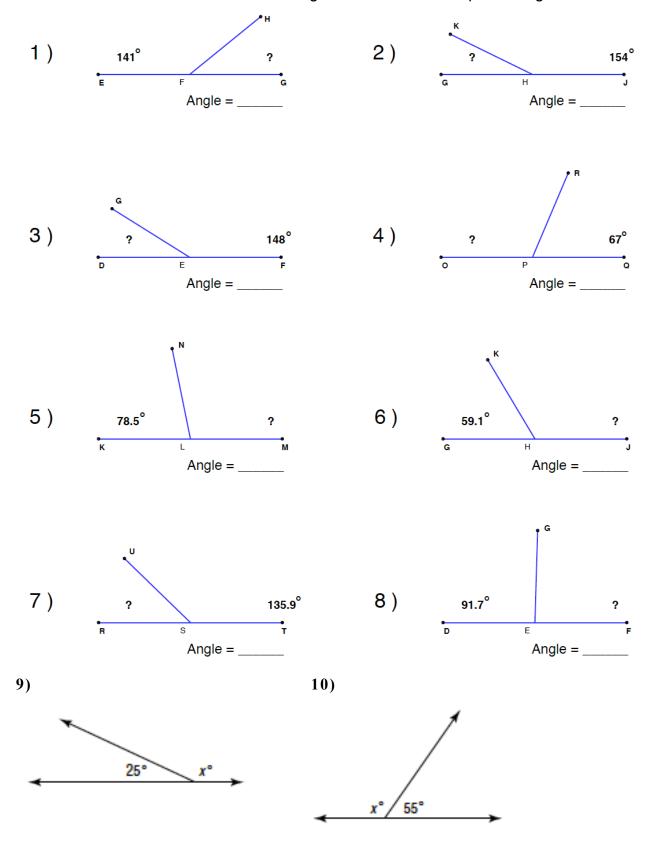


Review - a) State what type of angles are illustrated in the diagram.b) Find the value of x in each figure.

HOMEWORK

COMPLEMENTARY HW - Find the missing measurement in the pair of angles.





SUPPLEMENTARY HW - Find the missing measurement in the pair of angles.

WORD PROBLEMS - Solve the following.

Find $m \angle J$ if $m \angle K = 29^{\circ}$ and $\angle J$ and $\angle K$ are supplementary.

The measures of angles A and B are equal and complementary. What is the measure of 2.

ALGEBRA Angles G and H are complementary. If $m \angle G = 3x + 6$ and $m \angle H = 2x - 11$ 3. what is the measure of each angle?

- 4. The measures of angles A and B are supplementary. What is the measure of each angle?
- 5. An angle is five times its supplement. Find both angles.
- 6. An angle is 74 degrees more than its complement. Find both angles.
- **7.** The supplement of an angle exceeds the angle by 60 degrees. Find both angles.
- **8.** Find the number of degrees in an angle which is 42 less than its complement.
- **9.** Find the number of degrees in an angle which is 120 less than its supplement.
- **10.** The complement of an angle is 30 less than twice the angle. Find the larger angle.