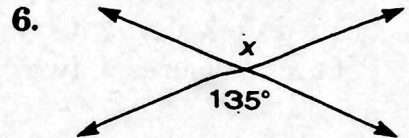
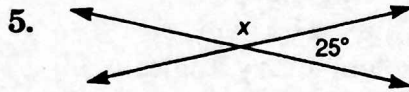
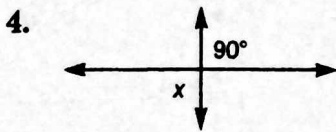
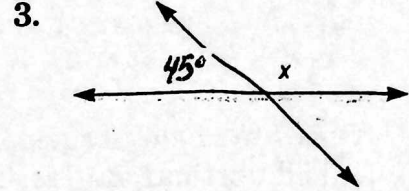
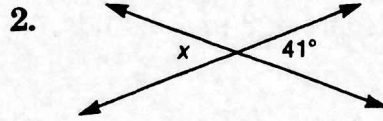
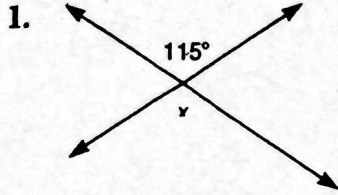


# Practice Worksheet 12-3

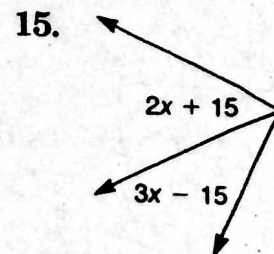
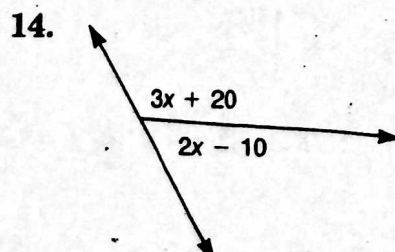
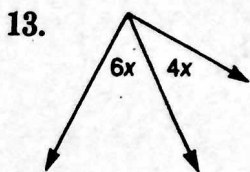
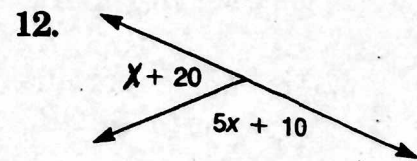
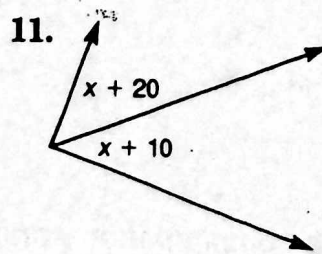
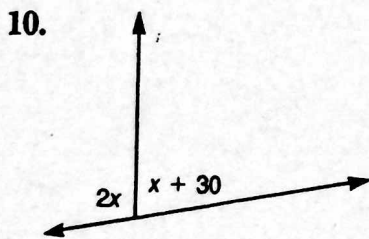
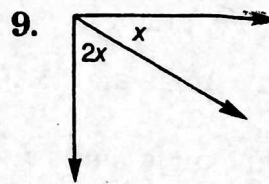
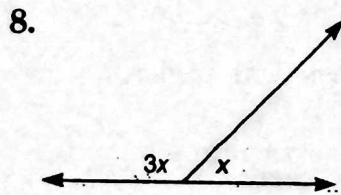
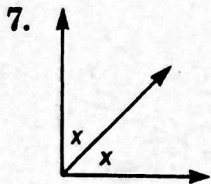
## Angle Relationships

Find the value of  $x$  in each figure.



Each of the following pairs of angles is either complementary or supplementary. Find the measure of each angle.

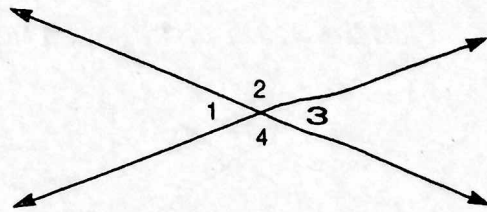
*own paper*



# Reteaching Worksheet 12-3

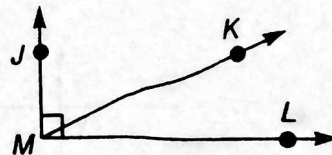
## Angle Relationships

Two angles with a common side and the same vertex are called **adjacent angles**. Four pairs of adjacent angles are 1 and 2, 2 and 3, 3 and 4, and 4 and 1.

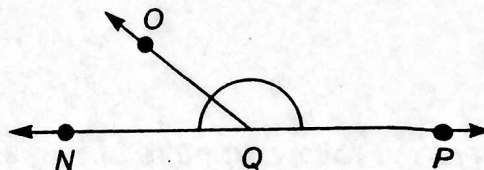


Opposite angles formed by intersecting lines are called **vertical angles**. There are two pairs of vertical angles: 1 and 3, and 2 and 4.

Two angles that form a right angle are called **complementary angles**. The sum of the measures of two complementary angles is  $90^\circ$ .

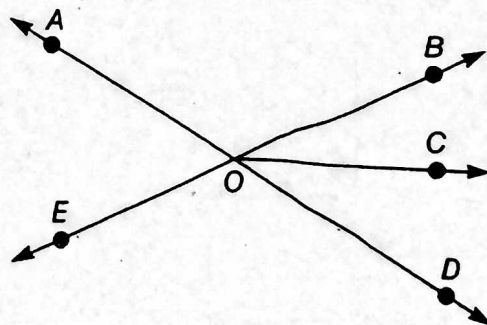


Two angles that form a straight line are called **supplementary angles**. The sum of the measures of two supplementary angles is  $180^\circ$ .

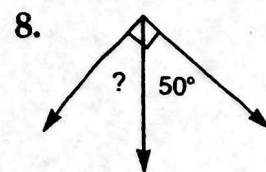
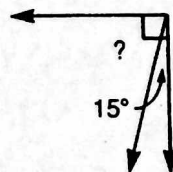
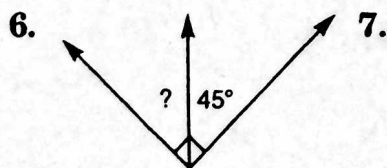
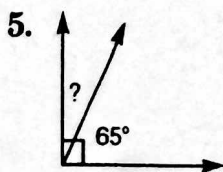


Use three letters to name each angle.

- This angle and  $\angle AOB$  are vertical angles.
- This angle and  $\angle EOA$  are vertical angles.
- This angle contains ray  $OC$  and is adjacent to  $\angle EOD$ .
- This angle contains ray  $OD$  and is adjacent to  $\angle AOB$ .



Find the missing measure of each complementary angle.



Find the missing measure of each supplementary angle.

