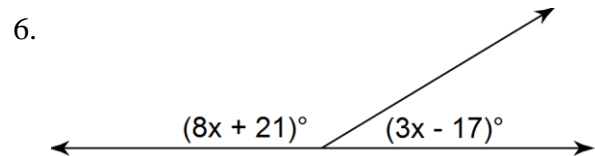
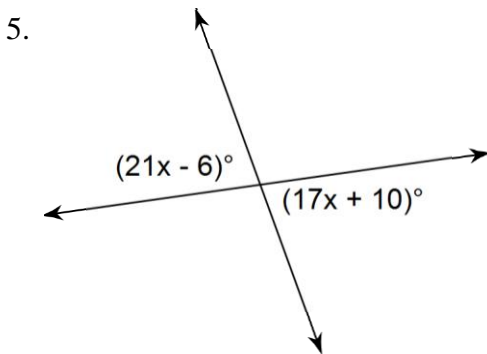
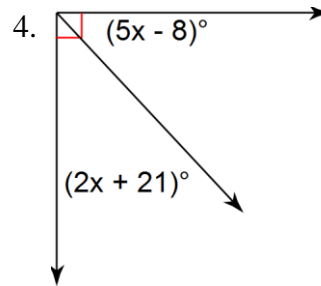
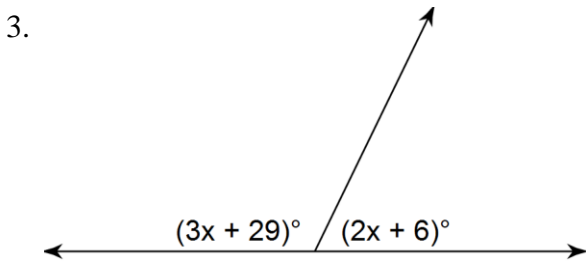
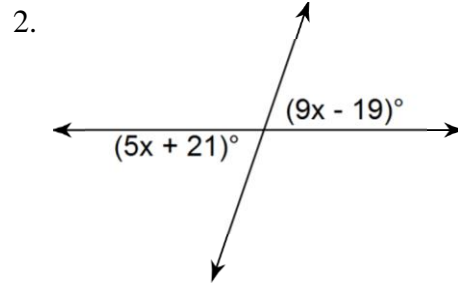
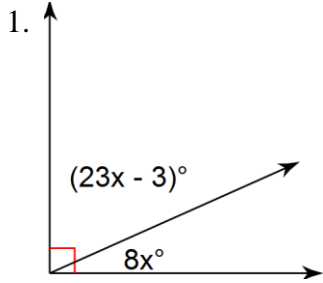


Name \_\_\_\_\_ Hour \_\_\_\_\_

Find the value of  $x$ .



$\angle 1$  and  $\angle 2$  are complementary angles.  $\angle 2$  and  $\angle 3$  are supplementary angles.

7. If  $m\angle 1 = 28^\circ$ , then find  $m\angle 2$  and  $m\angle 3$ .

8. If  $m\angle 3 = 134^\circ$ , then find  $m\angle 1$  and  $m\angle 2$ .

## Angle Pair Relationships #3

9. The measures of two complementary angles are  $(11x+37)^\circ$  and  $(18x-5)^\circ$ . What is the measure of the larger angle?
  
10. The measures of two supplementary angles are  $(2x-8)^\circ$  and  $(3x-2)^\circ$ . What is the measure of the smaller angle?
  
11. The measures of two complementary angles are  $(5x-17)^\circ$  and  $(2x+23)^\circ$ . What is the measure of the smaller angle?
  
12. The measures of two supplementary angles are  $(x+9)^\circ$  and  $(4x+36)^\circ$ . What is the measure of the larger angle?
  
13. The measure of one angle is eight times the measure of its supplement. Find the measure of each angle.
  
14. The measure of one angle is five times the measure of its complement. Find the measure of each angle.
  
15. The measure of one angle is  $18^\circ$  more than the measure of its supplement. Find the measure of each angle.
  
16. The measure of one angle is  $37^\circ$  less than the measure of its complement. Find the measure of each angle.