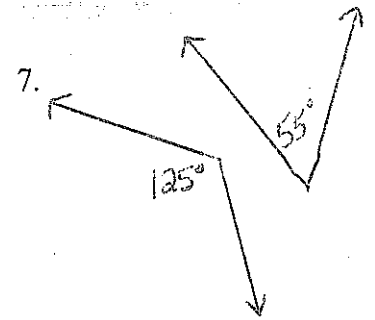
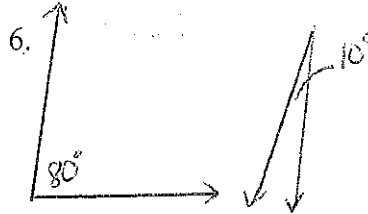
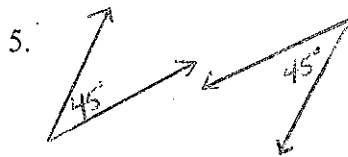


Sketch a picture of the following:

1. Vertical Angles    2. Complementary Angles    3. Supplementary Angles    4. Adjacent Angles

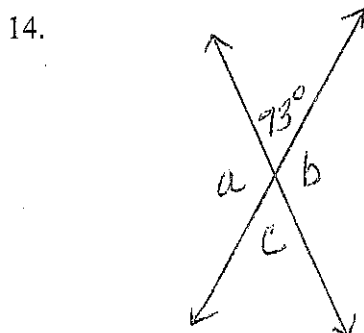
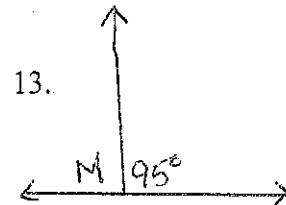
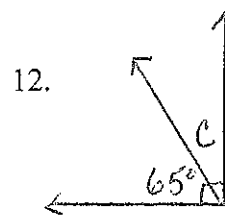
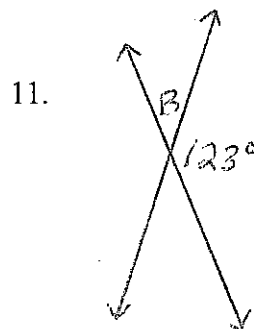
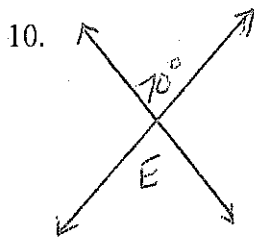
Tell if the angles are complementary, supplementary, or neither.



8. Angle A =  $37^\circ$     Angle B =  $53^\circ$

9. Angle C =  $110^\circ$     Angle D =  $70^\circ$

Find the missing angle.



a = \_\_\_\_\_

b = \_\_\_\_\_

c = \_\_\_\_\_

15. Find the measure of an angle vertical to a  $56^\circ$  angle.

16. Find the measure of an angle whose supplement is  $89^\circ$ .

17. Find the measure of an angle whose complement is  $28^\circ$ .

Answer the following questions with either ALWAYS, SOMETIMES, or NEVER

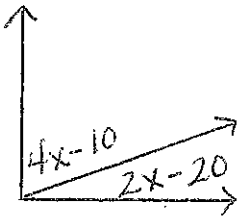
18. Adjacent angles are also supplementary. \_\_\_\_\_

19. Vertical angles are complementary. \_\_\_\_\_

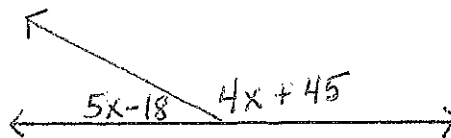
20. If one of two adjacent angles is  $70^\circ$ , then the other is also  $70^\circ$ . \_\_\_\_\_

21. Vertical angles have the same measure. \_\_\_\_\_

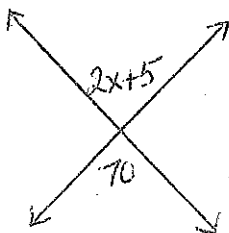
22. Find the value of x.



23. Find the value of x.



24. Find the value of x.



25. Angle A and Angle B together create a  $90^\circ$  angle.  $\angle A = 3x - 2$  and  $\angle B = x + 12$ . Find the angle measures.