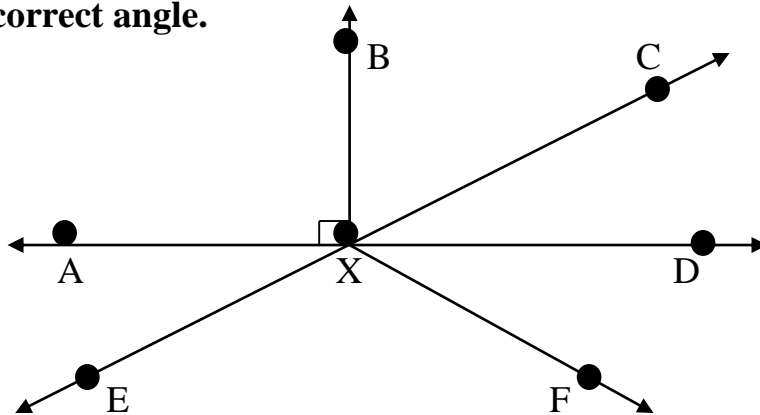


### Angle Relationships Worksheet #2

**A. Fill in the correct angle.**



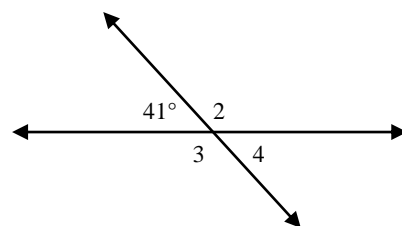
- 1)  $\angle AXE$  and \_\_\_\_\_ are vertical angles.
- 2)  $\angle AXF$  and \_\_\_\_\_ are supplementary angles.
- 3)  $\angle DXC$  and \_\_\_\_\_ are complementary angles.
- 4) \_\_\_\_\_ and  $\angle AXB$  are adjacent angles.
- 5) \_\_\_\_\_ and  $\angle CXD$  are supplementary angles.
- 6) \_\_\_\_\_ and  $\angle AXC$  are vertical angles.

**B. Fill in the correct angle measurement.**

- 7) What is the complement of an  $11^\circ$  angle? \_\_\_\_\_
- 8) What is the supplement of a  $92^\circ$  angle? \_\_\_\_\_
- 9) What is the complement of a  $56^\circ$  angle? \_\_\_\_\_

For #10 – 12, use the diagram to the right.

- 10)  $m\angle 2 =$  \_\_\_\_\_
- 11)  $m\angle 3 =$  \_\_\_\_\_
- 12)  $m\angle 4 =$  \_\_\_\_\_



Name \_\_\_\_\_

Date \_\_\_\_\_

### Angle Relationships Worksheet #2

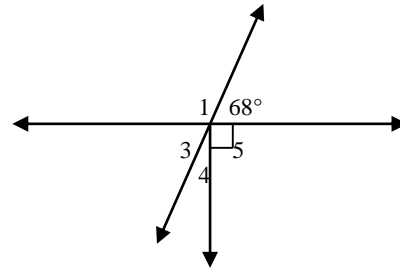
For #13 – 16, use the diagram to the right.

13)  $m\angle 1 =$  \_\_\_\_\_

14)  $m\angle 3 =$  \_\_\_\_\_

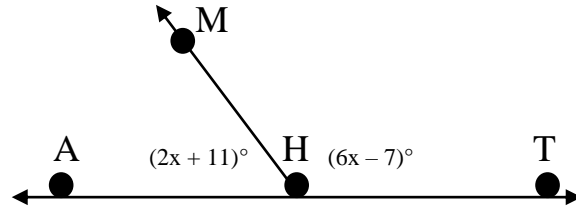
15)  $m\angle 4 =$  \_\_\_\_\_

16)  $m\angle 5 =$  \_\_\_\_\_



**C. Use your algebra skills to find the angle measurements.**

17) a) Find the value of “x”.



b)  $m\angle MHT =$  \_\_\_\_\_

c)  $m\angle AHM =$  \_\_\_\_\_