Name _____   **Date** _____
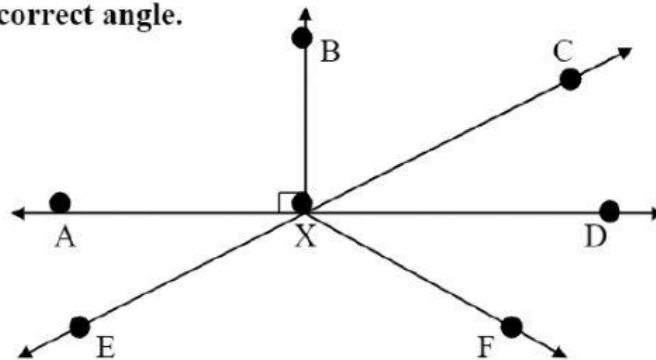
Angle Relationships Worksheet #2

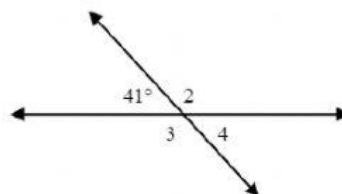**A. Fill in the correct angle.**

1)   ∠ AXE and _____ are vertical angles.

2)   ∠ AXF and _____ are supplementary angles.

3)   ∠ DXC and _____ are complementary angles.

4)   _____ and ∠ AXB are adjacent angles.

5)   _____ and ∠ CXD are supplementary angles.

6)   _____ and ∠ AXC are vertical angles.

B. Fill in the correct angle measurement.

7)   What is the complement of an 11° angle?   _____

8)   What is the supplement of a 92° angle?   _____

9)   What is the complement of a 56° angle?   _____

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

10)   m∠ 2 = _____

11)   m∠ 3 = _____

12)   m∠ 4 = _____

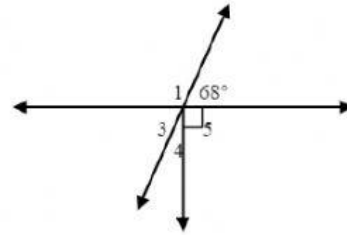### Angle Relationships Worksheet #2

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

13)   m∠ 1 = _____
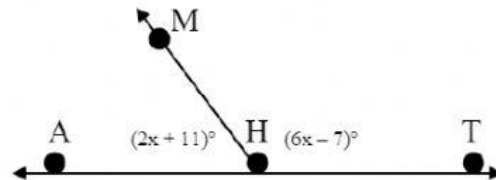
14)   m∠ 3 = _____

15)   m∠ 4 = _____

16)   m∠ 5 = _____

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

17)   a) Find the value of "x".

b) m∠ MHT = _____   c) m∠ AHM = _____