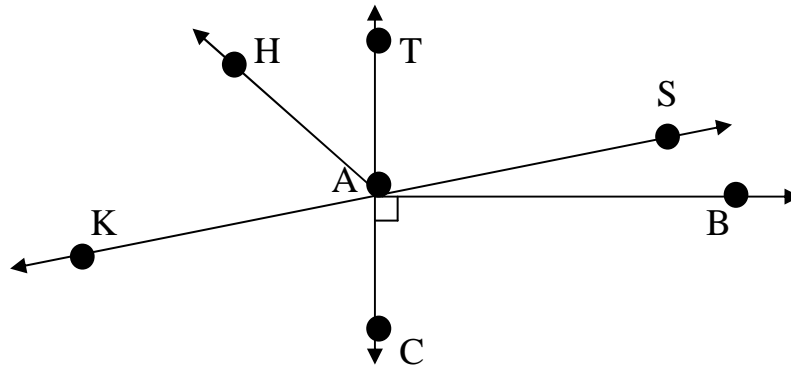


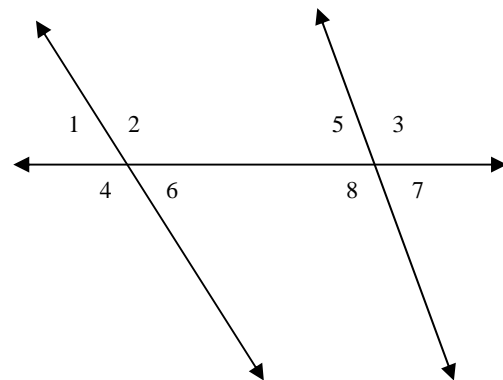
Special Types of Angles – Worksheet #4

A. Fill in the correct angle.



- 1) $\angle HAK$ and _____ are supplementary angles.
- 2) $\angle SAT$ and _____ are supplementary angles.
- 3) $\angle BAS$ and _____ are complementary angles.
- 4) _____ and $\angle SAC$ are vertical angles.
- 5) _____ and $\angle SAT$ are vertical angles.
- 6) _____ and $\angle SAH$ are adjacent angles.

- 7) $\angle 1$ corresponds to _____
- 8) $\angle 7$ corresponds to _____
- 9) $\angle 1$ and _____ are vertical angles.
- 10) $\angle 2$ and _____ are corresponding angles.
- 11) $\angle 2$ and _____ are alternate interior angles.
- 12) _____ and $\angle 6$ are alternate interior angles.
- 13) _____ and $\angle 8$ are vertical angles.
- 14) _____ and $\angle 8$ are adjacent angles.



Special Types of Angles – Worksheet #4

B. Fill in the correct angle measurement.

15) What is the supplement of a 47° angle? _____

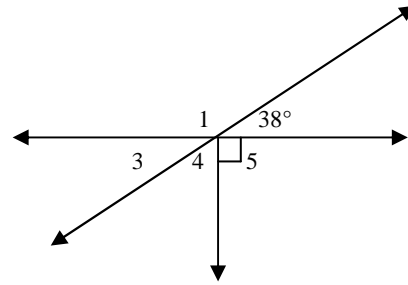
16) What is the complement of a 54° angle? _____

17) $m\angle 1 =$ _____

18) $m\angle 3 =$ _____

19) $m\angle 4 =$ _____

20) $m\angle 5 =$ _____



Lines **c** and **d** are parallel. The $m\angle 1 = 78^\circ$

21) a) $m\angle 2 =$ _____

b) $m\angle 3 =$ _____

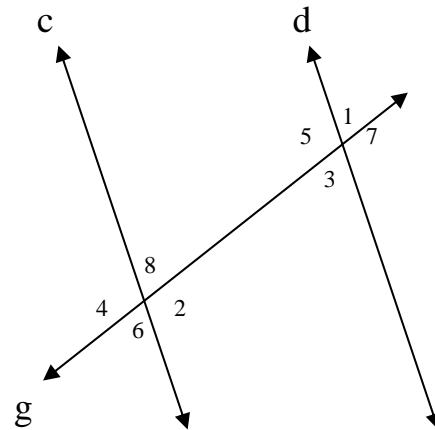
c) $m\angle 4 =$ _____

d) $m\angle 5 =$ _____

e) $m\angle 6 =$ _____

f) $m\angle 7 =$ _____

g) $m\angle 8 =$ _____



Lines **x** and **y** are parallel. The $m\angle 1 = 149^\circ$

22) a) $m\angle 2 =$ _____

b) $m\angle 3 =$ _____

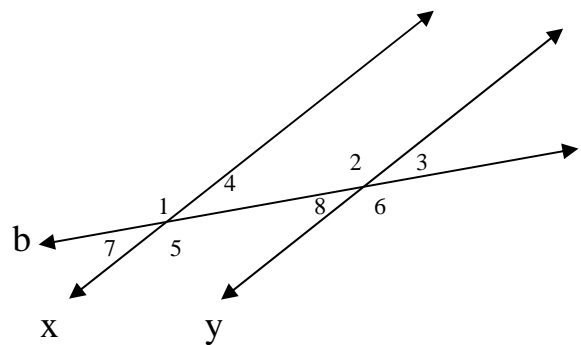
c) $m\angle 4 =$ _____

d) $m\angle 5 =$ _____

e) $m\angle 6 =$ _____

f) $m\angle 7 =$ _____

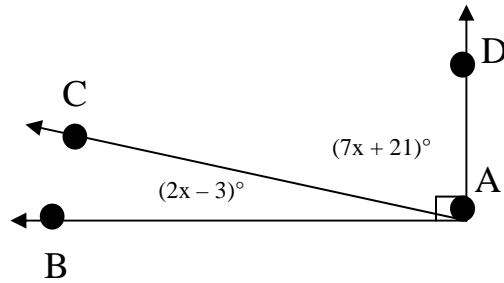
g) $m\angle 8 =$ _____



Special Types of Angles – Worksheet #4

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

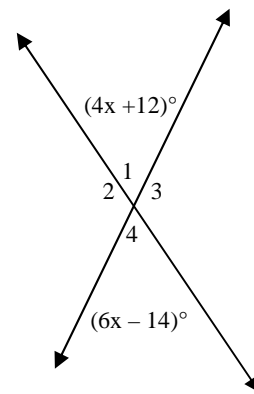
23) a) Find the value of “x”.



b) $m\angle DAC =$ _____

c) $m\angle BAC =$ _____

24) a) Find the value of “x”.

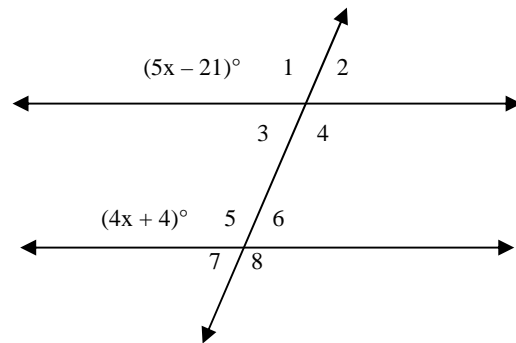


b) $m\angle 1 =$ _____

c) $m\angle 2 =$ _____

Lines **a** and **b** are parallel.

25) a) Find the value of “x”.



b) $m\angle 1 =$ _____

c) $m\angle 7 =$ _____