

## Algebra 1 – Quiz I

Solve and express your answer as an expression (like  $x > 11$ ) and on the number line. Use the 4 methods we have studied, show your work, and indicate which method you used. Answer on your own paper.

1.  $x + 5 < 7$

2.  $4 + x > -12$

3.  $-x - 8 \geq -17$

4.  $3x + 5 < -7x - 9$

5.  $-x + 4 \leq -2(x - 8)$

**6. Graph  $y = (2/3)x - 2$  and use the graph to solve the inequality  $(2/3)x - 2 < 0$ .**

**Explain how you got the answer.**