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.