Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Algebra 1A wkst 6.2B**

**Solve the following problems for the variable. Then graph the solution on a number line.**

1. 7x +2 < 2x - 8 2. -2x -1 ≥ 3x + 4

3. 4x +1 ≤ 3x - 15 4. -7x -7 ≤ 2x + 20

5. 3x -8 > 9x + 4 6. -1x -2 > -3x + 4

7. -4x -3 < 2x - 7 8. 4x - 5 ≤ 6x + 9

9. $5x-1>3x+5$ 10. $4x+1<2x-7$

11. -2x $+5>3x-5$ 12. $3x-2\geq 10-x$

13. $2x-3<-1x+6$ 14. $-2x+3<5x-4$

15. $4x+1\leq 2x-5$ 16. $-2x-3\leq 3x+4$