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

**Algebra 1A wkst 6.2**

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

1. 9x +2 < 20 2. -2x -7 ≥ 3

3. 4x +1 ≤ -15 4. -7x -7 ≤ 14

5. 3x -9 > 9 6. -1x -2 > -3

7. -4x -3 < -15 8. 4x - 5 ≤ 6

11. $\frac{x}{5}-1>3$ 12. $\frac{x}{4}+1<2$

13. $\frac{x}{-2}+2>3$ 14. $\frac{x}{3}-2\geq 1$

15. $\frac{x}{6}-3<-1$ 16. $\frac{x}{-2}+3<5$

17. $\frac{x}{4}+1\leq 2$ 18. $\frac{x}{-2}-3\leq 3$