

Homework #5 - Solving Inequalities

Date _____ 5T _____

Solve each inequality and graph its solution.

1) $9x \geq -81$

2) $\frac{x}{15} \leq 12$

3) $17.3p > -288.91$

4) $-5.4 + a \geq -0.3$

5) $-17 \geq -14 + \frac{x}{3}$

6) $-101 \leq -14n - 3$

7) $3x + 6x \leq -9$

8) $15 \geq 4x + x$

$$9) \ 1 + 3x + 5 - 11 \leq 7x - 3x$$

$$10) \ -9 - n > 2n - 5 - 4$$

$$11) \ -32 + 8n \geq 8(8 + 5n)$$

$$12) \ -4(2b + 7) \leq -7b - 30$$

$$13) \ 4(4n - 7) - 4 \geq -2(4n - 8)$$

$$14) \ 6(-2a - 7) - 6 \leq -(a - 7)$$