Advanced Algebra Name_____

Solving Absolute Value Inequalities - Special Cases Date_____ Period____

Solve each inequality and then graph your solutions.

1) $5 + \left|7 + v\right| < 11$

2) $7 + 9\left|-9x - 6\right| < 7$

3) $\frac{-\left|8 + 7b\right| - 3}{9} \leq -2$

4) $-\left|n - 8\right| - 6 < -6$

5) $2\left|8x + 4\right| + 1 \leq -77$

6) $-10\left|4n - 6\right| - 2 < -22$

7) $9 + \left|3n + 4\right| \geq 9$

8) $-\left|-7x - 8\right| - 5 < -4$

9) $9\left|-9x + 10\right| + 10 \leq 82$

10) $\frac{3\left|-8n + 9\right|}{9} + 12 < -2$

11) $-16 + 5\left|9 + 8m\right| \leq -16$

12) $\frac{-9 - 7\left|-6x + 10\right|}{3} \leq 2$