

NTI Day 5: Absolute Value Equations

Date _____ Period _____

Solve each equation. Show all of your work for credit. Please Circle your answer(s).

1) $|x + 10| = 20$

2) $|x - 1| = 6$

3) $|-8x| = 72$

4) $|x + 2| = 8$

5) $|m + 5| = 10$

6) $|n + 7| = 2$

7) $|5k - 5| = 20$

8) $|10n + 10| = 10$

9) $|1 - 4x| = 7$

10) $|3 + 3v| = 15$

$$11) 3|x - 3| = 12$$

$$12) |8 - x| + 5 = 7$$

$$13) -4|-7v + 7| = -56$$

$$14) -10 + |6p + 6| = -4$$

$$15) -3|3x - 7| = 84$$

$$16) |6 + 2n| - 4 = -2$$

$$17) 7 + 9|2x + 8| = 61$$

$$18) 4|-10r - 10| - 6 = 114$$

$$19) 5 - 3|x - 4| = -31$$

$$20) -10 + |-m - 9| = -5$$