

1.8

Date _____ Period _____

Solve each equation.

1) $|8 + v| = 12$

2) $|-4v + 3| = 0$

3) $-10|x - 1| - 5 = -45$

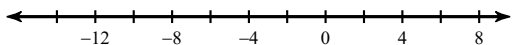
4) $7\left|\frac{v}{6}\right| + 6 = 13$

5) $\frac{|-5v - 8|}{6} = 4$

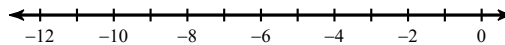
6) $|10n + 5| + 7 = 72$

Solve each inequality and graph its solution.

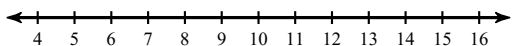
7) $|n + 4| > 7$



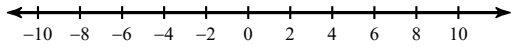
8) $|x + 6| \leq 1$



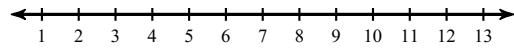
9) $5|x - 10| > 5$



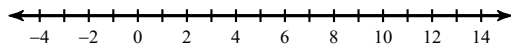
$$10) 1 + \left| \frac{x}{4} \right| \leq 3$$



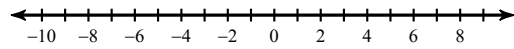
$$11) -10 + |n - 7| \geq -8$$



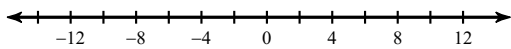
$$12) -8|-4 + a| < -40$$



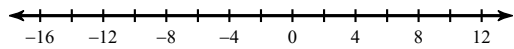
$$13) 8 + 2|5 + 10n| \geq 98$$



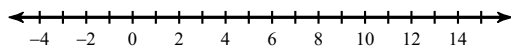
$$14) 7 - 4|1 + 2x| > -77$$



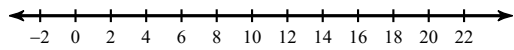
$$15) 10 - 9|b + 2| \geq -98$$



$$16) -6|2x - 10| + 4 < -56$$



$$17) |x - 10| \leq 10$$



$$18) \left| \frac{m}{6} \right| > 2$$

