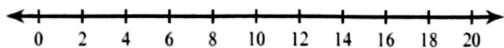


## NTI Day 9: Absolute Value Inequalities

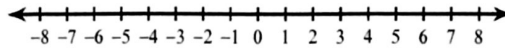
Date \_\_\_\_\_ Period \_\_\_\_\_

Solve each inequality and graph its solution. Show all of your work for credit. Please circle your answer(s).

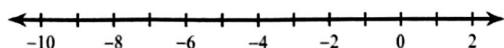
1)  $|x - 10| < 7$



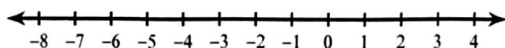
2)  $|8n| \leq 40$



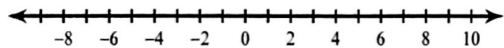
3)  $|3 + m| \geq 2$



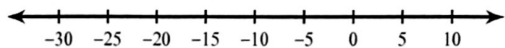
4)  $|-8x| \leq 8$



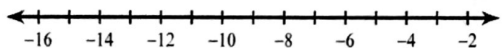
5)  $|9a| > 45$



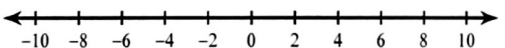
6)  $|x + 10| > 19$



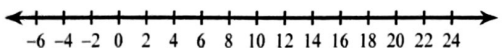
7)  $|r + 9| < 4$



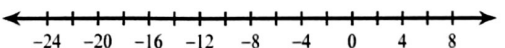
8)  $|2x| < 16$



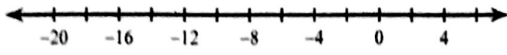
9)  $|a - 10| \geq 12$



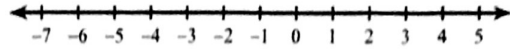
10)  $|8 + n| \geq 14$



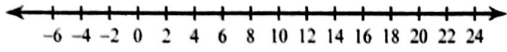
$$11) |7 + m| > 9$$



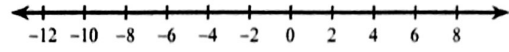
$$12) |1 - 4x| > 7$$



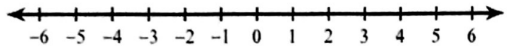
$$13) |8 - m| \geq 12$$



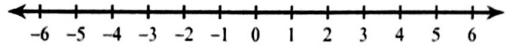
$$14) |2n + 2| \leq 18$$



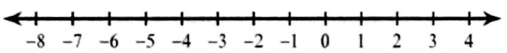
$$15) -9|7 + 7n| \leq -63$$



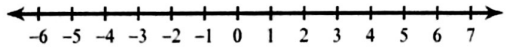
$$16) |3 + 10x| - 4 < -71$$



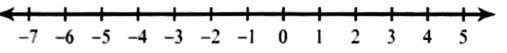
$$17) \frac{|9 + 6a|}{2} > 3$$



$$18) |-2 + 7x| - 7 > 5$$



$$19) -4 - 3|8 + 9v| \geq -55$$



$$20) 3|p - 3| - 9 < -3$$

