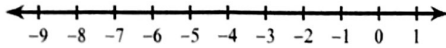


NTI Day 7: Multi-Step Inequalities

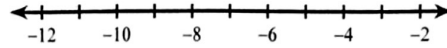
Date _____ Period _____

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

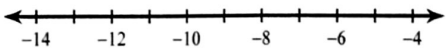
1) $8 + 4(1 + 6a) < -156$



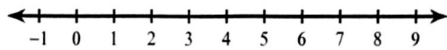
2) $-3(6x - 8) - 4x \geq 134$



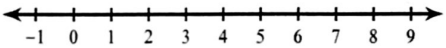
3) $96 > 2(4 - 6b) - 8$



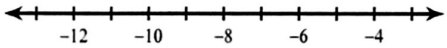
4) $-7(1 - 3n) < 140$



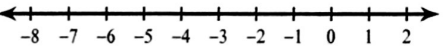
5) $-6(-7 - 6a) < 294$



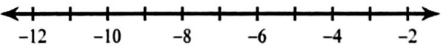
6) $6(-4v + 3) \geq 162$



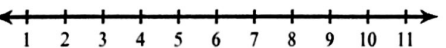
7) $228 \geq -8(1 + 5m) - 4$



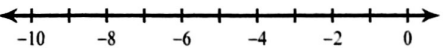
8) $115 \geq -8(1 + 3a) + 3$



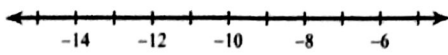
9) $-150 < 6(-8m + 3) - 8m$



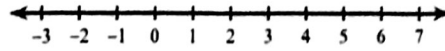
10) $232 \geq 8 - 7(5x + 8)$



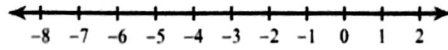
$$11) 36 - 7x \geq -4(1 + 3x)$$



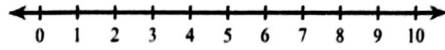
$$12) -(x + 6) < -7x$$



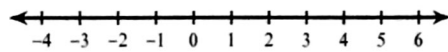
$$13) 5(5 - 2a) \geq -8a + 33$$



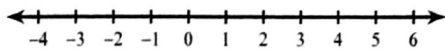
$$14) 2 - 2x < -(2x - 8)$$



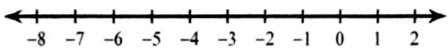
$$15) 27 - 3b > -6(-7b + 3)$$



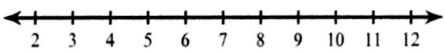
$$16) 5(8 + 3x) > -2 + 8(1 + 4x)$$



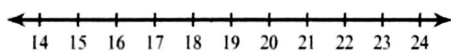
$$17) 6(r + 1) < 6(1 + r) - 4$$



$$18) 4 - 4(2x - 3) < -(3x + 4)$$



$$19) 2(-4a - 1) > -5(2a - 6)$$



$$20) 6(6p - 4) + 2(-4p - 5) \leq p - 7 + 7p - 7$$

