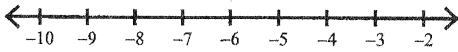


Inequalities Day 4

Date _____ Period _____

Solve each inequality and graph its solution.

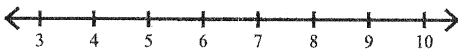
1) $3p - 7(5 - 4p) \geq -190$



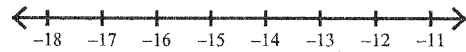
2) $-98 \geq 2(7 + 7n)$



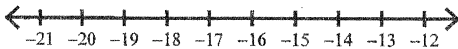
3) $0 < \frac{a}{8} - 1$



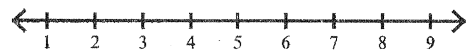
4) $x + 18 \leq 4$



5) $-1 > \frac{a+2}{15}$



6) $-23 > 9 - 8k$



7) $-6p - 3p \leq 0$



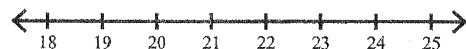
8) $2 + 3x + 2x < 12$



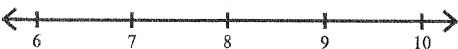
9) $-9(n + 10) \geq -90$



10) $-10(m - 1) < -190$



11) $299 \leq -6 + 5(7x + 5)$



12) $186 \leq 3(6 + 6r) + 6r$



13) $-3 + \frac{n}{2} \leq 1$

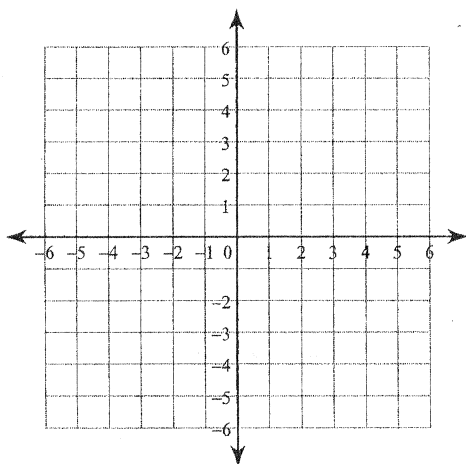


14) $-2 \leq \frac{3+b}{4}$

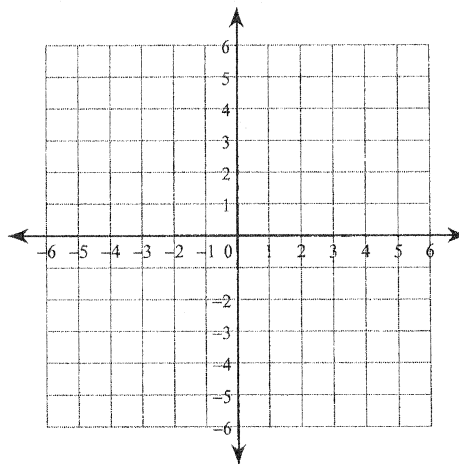


Sketch the graph of each line.

15) $y = \frac{3}{2}x - 4$

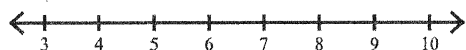


16) $y = \frac{2}{5}x - 4$

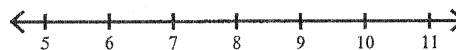


Solve each inequality and graph its solution.

17) $180 < 2v + 7(3v + 6)$



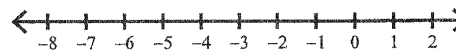
18) $165 < 5(1 + 4x)$



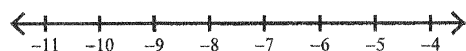
19) $15 > -3n + 8n$



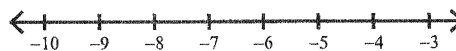
20) $7 - 3a + 2 \geq 18$



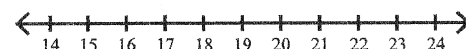
21) $-5 - 2k < k - 3 + 6 + 13$



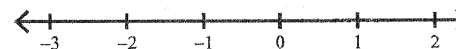
22) $2k - 8 \geq 13 + 5k$



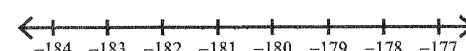
23) $12x \leq 228$



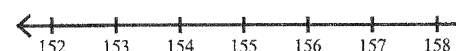
24) $-12n \geq 0$



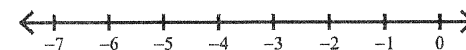
25) $\frac{m}{9} > -20$



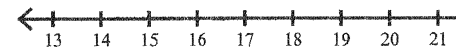
26) $\frac{p}{12} \leq 13$



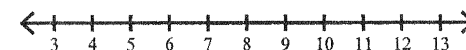
27) $28 \geq 4 - 6n$



28) $2 \geq \frac{x-3}{7}$



29) $-7(7 - 6b) > 287$



30) $-105 \leq 7(1 - 4r)$

