

Inequalities Day 3

Date _____ Period _____

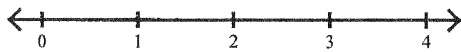
Solve each equation.

1) $-25 = -19 + x$

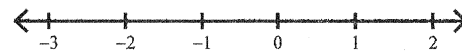
2) $n - 1 = -11$

Solve each inequality and graph its solution.

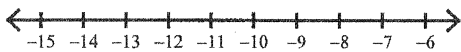
3) $-5b - b \leq -12$



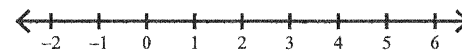
4) $1 > 1 + 3v + 5v$



5) $18x \geq -198$



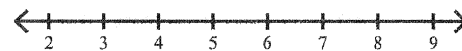
6) $-4 < -2x$



7) $-5 - 3a - 4a \leq 7 - 3a$



8) $1 + 8k < 7k + 6$

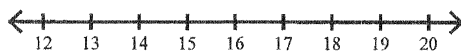
**Solve each equation.**

9) $-7(p - 8) = 112$

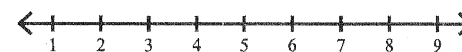
10) $x + 5(x - 7) = -83$

Solve each inequality and graph its solution.

11) $n + 14 \leq 31$



12) $2 > m - 2$



Solve each equation.

13) $r - 19 = -19$

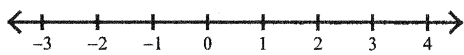
14) $-120 = 10x$

15) $8(-4n + 4) = -96$

16) $-92 = -7(2b + 4) - 2b$

Solve each inequality and graph its solution.

17) $v + 5 \geq 1 + 8v - 2 - 1$



18) $-2x + 5x + 7 < 3 + 5x$



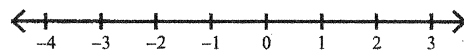
Solve each equation.

19) $-2(5 + 7n) + 1 = -39 - 4n$

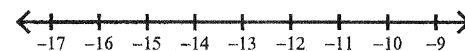
20) $-5(8 + 8a) = 26 - 7a$

Solve each inequality and graph its solution.

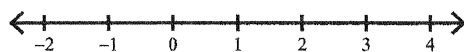
21) $-16 \leq k - 15$



22) $-20 < x - 6$



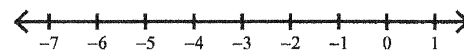
23) $-22 < -8x - 3x$



24) $-3 - n + 6n < -18$



25) $-10m \geq 20$



26) $\frac{p}{10} \leq -18$

