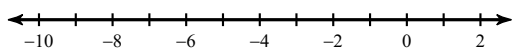


Compound Inequalities - Regular (AND)

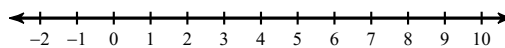
Date _____ Period _____

Solve each compound inequality and graph its solution.

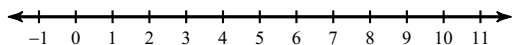
1) $12x - 7 > -67$ and $9x - 8 < -26$



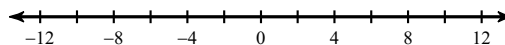
2) $11r - 4 \geq -4$ and $4r - 5 \leq 3$



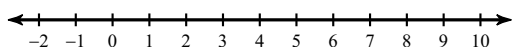
3) $8 - 4k > -20$ and $-4 - 12k < -28$



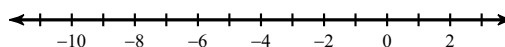
4) $10n + 12 > -88$ and $-7 + 6n < 47$



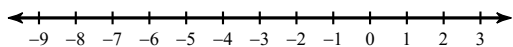
5) $-2 < -6 + 2r \leq 8$



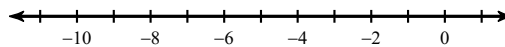
6) $7b - 11 > -67$ and $11b + 3 \leq 3$



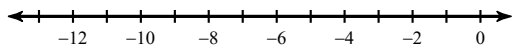
7) $-7p - 2 \leq 33$ and $8p - 7 < 1$



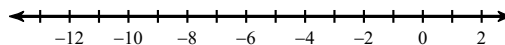
8) $11 - 11r \geq 99$ and $11 - 6r \leq 71$



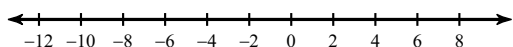
9) $5 \leq -3 - 4x \leq 41$



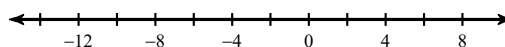
10) $-120 \leq 11p - 10 \leq -10$



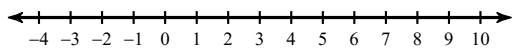
11) $-80 \leq -3 + 7r < 53$



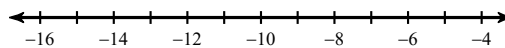
12) $3 < -n + 10 \leq 21$



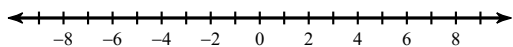
13) $-8 < 2x - 6 \leq 8$



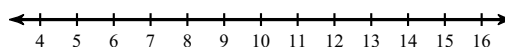
14) $58 < 2 - 7k < 72$



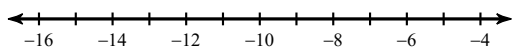
15) $1 - 8n \leq 65$ and $11n - 10 \leq 56$



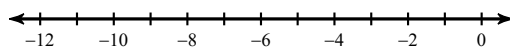
16) $-27 \leq 5 - 4b < -15$



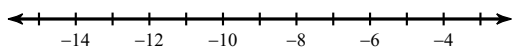
17) $8n + 12 \geq -68$ and $8n + 11 < -61$



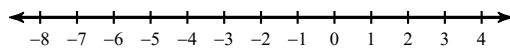
18) $12n + 8 \leq -76$ and $7n - 5 > -61$



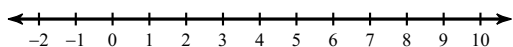
19) $9 + 6k < -21$ and $8k - 9 > -97$



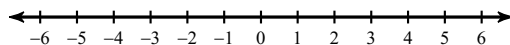
20) $1 + a \geq -5$ and $6a \leq 12$



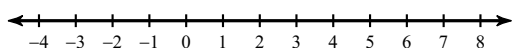
21) $0 \leq \frac{x}{2} \leq 4$



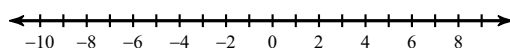
22) $-1 < -1 + v \leq 2$



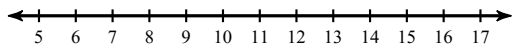
23) $m + 3 > 5$ and $\frac{m}{5} \leq 1$



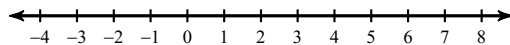
24) $v + 10 > 1$ and $\frac{v}{8} < 1$



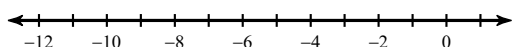
25) $7 < b - 1 \leq 8$



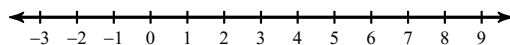
26) $x - 9 > -12$ and $x - 10 \leq -5$



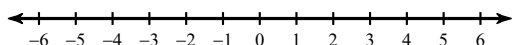
27) $-3 \leq \frac{x}{3} < 0$



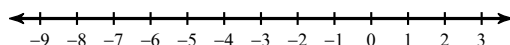
28) $10 \leq v + 9 \leq 15$



29) $9x + 9 > 3x + 9$ and $8x - 4 < 2 + 5x$



30) $3b - 7 < 5b + 7 < 3b + 7$

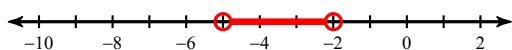


Compound Inequalities - Regular (AND)

Date _____ Period _____

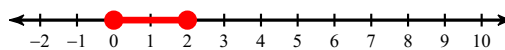
Solve each compound inequality and graph its solution.

1) $12x - 7 > -67$ and $9x - 8 < -26$



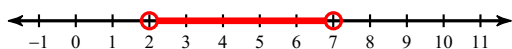
$-5 < x < -2$

2) $11r - 4 \geq -4$ and $4r - 5 \leq 3$



$0 \leq r \leq 2$

3) $8 - 4k > -20$ and $-4 - 12k < -28$



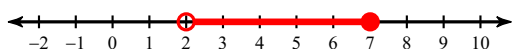
$2 < k < 7$

4) $10n + 12 > -88$ and $-7 + 6n < 47$



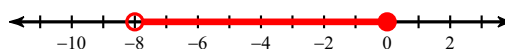
$-10 < n < 9$

5) $-2 < -6 + 2r \leq 8$



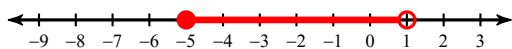
$2 < r \leq 7$

6) $7b - 11 > -67$ and $11b + 3 \leq 3$



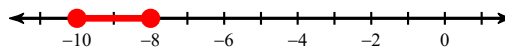
$-8 < b \leq 0$

7) $-7p - 2 \leq 33$ and $8p - 7 < 1$



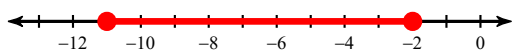
$-5 \leq p < 1$

8) $11 - 11r \geq 99$ and $11 - 6r \leq 71$



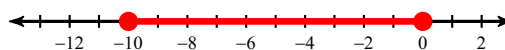
$-10 \leq r \leq -8$

9) $5 \leq -3 - 4x \leq 41$



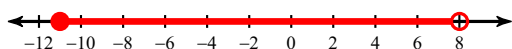
$-11 \leq x \leq -2$

10) $-120 \leq 11p - 10 \leq -10$



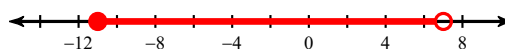
$-10 \leq p \leq 0$

11) $-80 \leq -3 + 7r < 53$



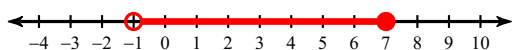
$-11 \leq r < 8$

12) $3 < -n + 10 \leq 21$



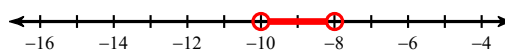
$-11 \leq n < 7$

13) $-8 < 2x - 6 \leq 8$



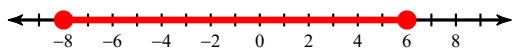
$-1 < x \leq 7$

14) $58 < 2 - 7k < 72$



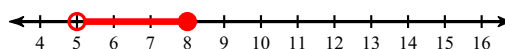
$-10 < k < -8$

15) $1 - 8n \leq 65$ and $11n - 10 \leq 56$



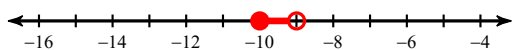
$-8 \leq n \leq 6$

16) $-27 \leq 5 - 4b < -15$



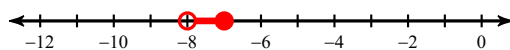
$5 < b \leq 8$

17) $8n + 12 \geq -68$ and $8n + 11 < -61$



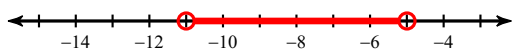
$-10 \leq n < -9$

18) $12n + 8 \leq -76$ and $7n - 5 > -61$



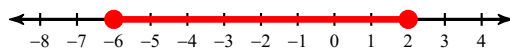
$-8 < n \leq -7$

19) $9 + 6k < -21$ and $8k - 9 > -97$



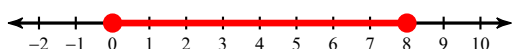
$-11 < k < -5$

20) $1 + a \geq -5$ and $6a \leq 12$



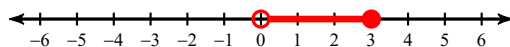
$-6 \leq a \leq 2$

21) $0 \leq \frac{x}{2} \leq 4$



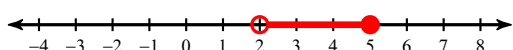
$0 \leq x \leq 8$

22) $-1 < -1 + v \leq 2$



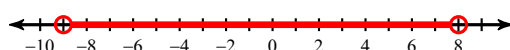
$0 < v \leq 3$

23) $m + 3 > 5$ and $\frac{m}{5} \leq 1$



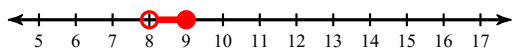
$2 < m \leq 5$

24) $v + 10 > 1$ and $\frac{v}{8} < 1$



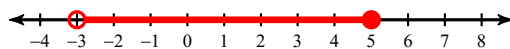
$-9 < v < 8$

25) $7 < b - 1 \leq 8$



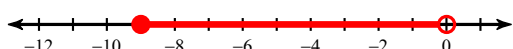
$8 < b \leq 9$

26) $x - 9 > -12$ and $x - 10 \leq -5$



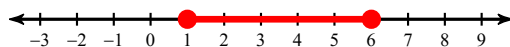
$-3 < x \leq 5$

27) $-3 \leq \frac{x}{3} < 0$



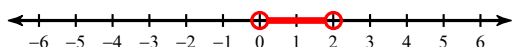
$-9 \leq x < 0$

28) $10 \leq v + 9 \leq 15$



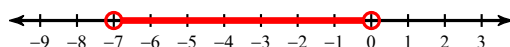
$1 \leq v \leq 6$

29) $9x + 9 > 3x + 9$ and $8x - 4 < 2 + 5x$



$0 < x < 2$

30) $3b - 7 < 5b + 7 < 3b + 7$



$-7 < b < 0$