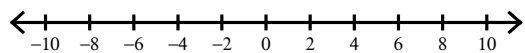


## Compound Inequalities

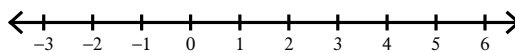
Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each compound inequality and graph its solution.**

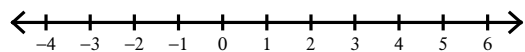
1)  $x + 6 \geq 11$  or  $x + 3 \leq -2$



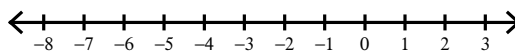
2)  $5 \leq b + 5 < 9$



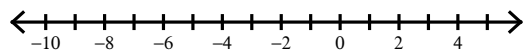
3)  $-6 \leq -2n \leq 2$



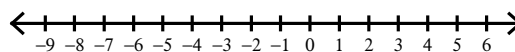
4)  $-3 < r + 3 \leq 5$



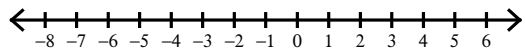
5)  $-6 + n \geq -4$  or  $\frac{n}{5} < -1$



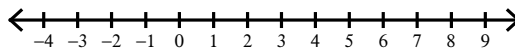
6)  $6r \leq -30$  or  $4r \geq 12$



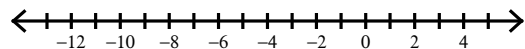
7)  $2x - 9 > -7$  or  $7x + 5 \leq -30$



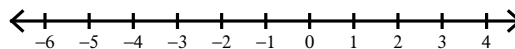
8)  $12n - 4 > 56$  or  $12n - 4 \leq 8$



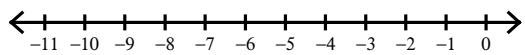
9)  $-6r + 8 < 8$  or  $12r - 2 \leq -98$



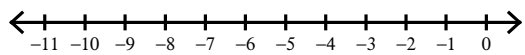
10)  $9n - 9 \leq 0$  and  $1 + 12n \geq -59$



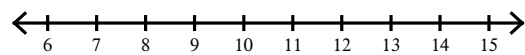
11)  $-10x - 9 \geq 11$  and  $-11x - 1 \leq 87$



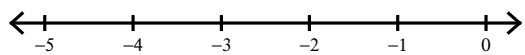
12)  $-64 < 6b - 4 < -22$



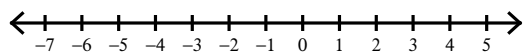
13)  $6 + 2p \leq 24$  or  $5p - 11 \geq 39$



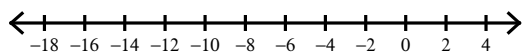
14)  $2 < 8 + 3m < 5$



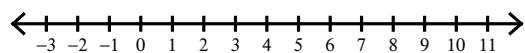
15)  $-3 + 3k \leq 12k - 12$  or  $-13k - 7 \leq -17k - 15$



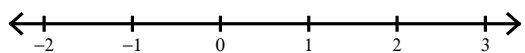
16)  $20 - 11a \leq -12a + 7$  or  $9 - 16a \leq 9 - 8a$



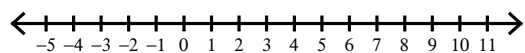
17)  $20x - 15 \geq 6 + 17x$  or  $16x - 12 < 9x - 5$



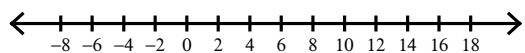
18)  $-17n - 12 < 13n - 12 \leq -8 + 9n$



19)  $14b - 4 \geq 19b - 4$  or  $-14b - 17 > -19b + 13$



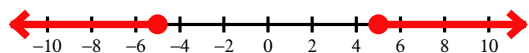
20)  $4n + 19 \leq 5n + 3$  or  $12n + 15 < 5 + 10n$



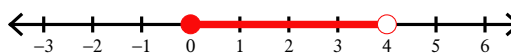
## Compound Inequalities

Solve each compound inequality and graph its solution.

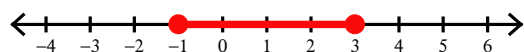
1)  $x + 6 \geq 11$  or  $x + 3 \leq -2$



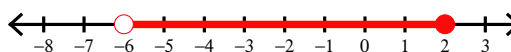
2)  $5 \leq b + 5 < 9$



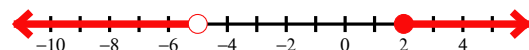
3)  $-6 \leq -2n \leq 2$



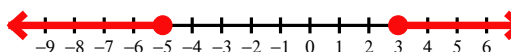
4)  $-3 < r + 3 \leq 5$



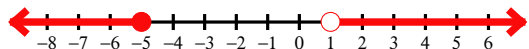
5)  $-6 + n \geq -4$  or  $\frac{n}{5} < -1$



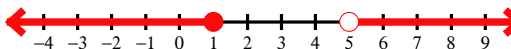
6)  $6r \leq -30$  or  $4r \geq 12$



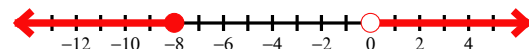
7)  $2x - 9 > -7$  or  $7x + 5 \leq -30$



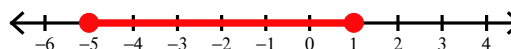
8)  $12n - 4 > 56$  or  $12n - 4 \leq 8$



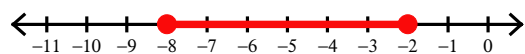
9)  $-6r + 8 < 8$  or  $12r - 2 \leq -98$



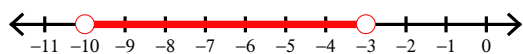
10)  $9n - 9 \leq 0$  and  $1 + 12n \geq -59$



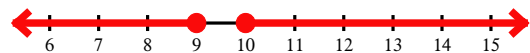
11)  $-10x - 9 \geq 11$  and  $-11x - 1 \leq 87$



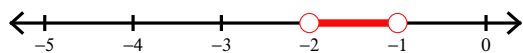
12)  $-64 < 6b - 4 < -22$



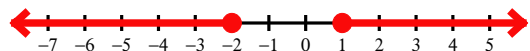
13)  $6 + 2p \leq 24$  or  $5p - 11 \geq 39$



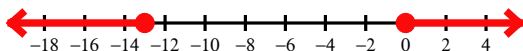
14)  $2 < 8 + 3m < 5$



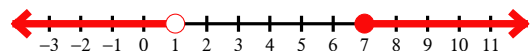
15)  $-3 + 3k \leq 12k - 12$  or  $-13k - 7 \leq -17k - 15$



16)  $20 - 11a \leq -12a + 7$  or  $9 - 16a \leq 9 - 8a$



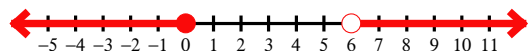
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