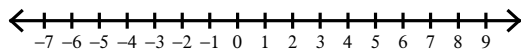


## Solving Compound Inequalities Homework

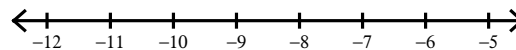
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**Solve each compound inequality and graph its solution.**

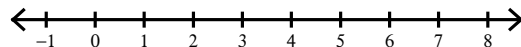
1)  $-72 < -9x < 54$



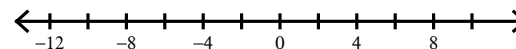
2)  $-7 \leq x + 2 < -6$



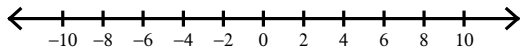
3)  $-5 < a - 7 < 0$



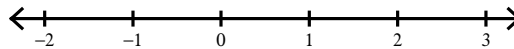
4)  $2 > \frac{k}{5} \geq -2$



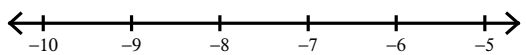
$$5) -18 \leq -10 - p \leq 0$$



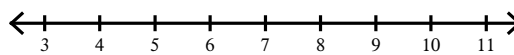
$$6) -2 \leq 9x + 7 \leq 7$$



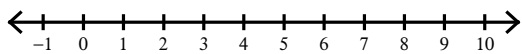
$$7) 18 \leq -2n + 2 \leq 20$$



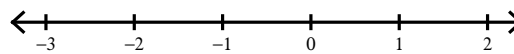
$$8) -69 \leq -7m + 1 < -41$$



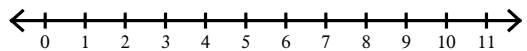
$$9) 7x - 2 \leq 6x + 7 < 10x + 7$$



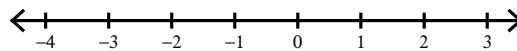
$$10) 8n - 10 \leq 6 - 8n \leq 6 - n$$



$$11) 9r - 7 < 8r + 1 < -2 + 9r$$



$$12) -3 + b < 3b + 1 < 1 - 10b$$

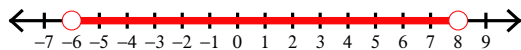


## Solving Compound Inequalities Homework

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

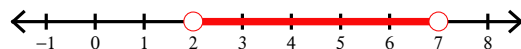
1)  $-72 < -9x < 54$



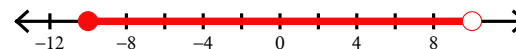
2)  $-7 \leq x + 2 < -6$



3)  $-5 < a - 7 < 0$



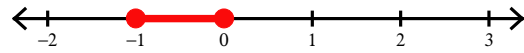
4)  $2 > \frac{k}{5} \geq -2$



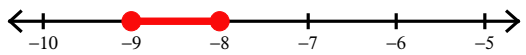
$$5) -18 \leq -10 - p \leq 0$$



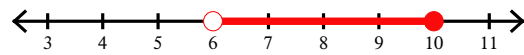
$$6) -2 \leq 9x + 7 \leq 7$$



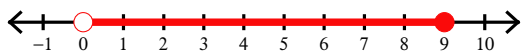
$$7) 18 \leq -2n + 2 \leq 20$$



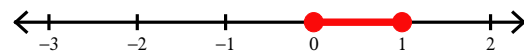
$$8) -69 \leq -7m + 1 < -41$$



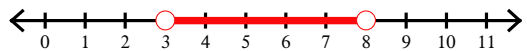
$$9) 7x - 2 \leq 6x + 7 < 10x + 7$$



$$10) 8n - 10 \leq 6 - 8n \leq 6 - n$$



$$11) 9r - 7 < 8r + 1 < -2 + 9r$$



$$12) -3 + b < 3b + 1 < 1 - 10b$$

