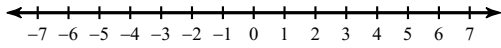


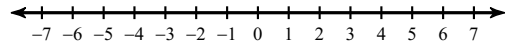
Section 0-2: Inequalities

Draw a graph for each inequality.

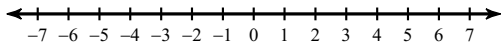
1)  $m < 1$



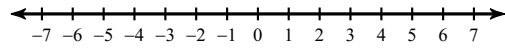
2)  $n < -2$



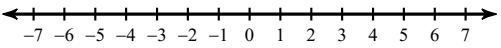
3)  $b \leq -1$



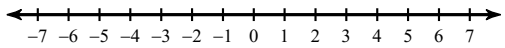
4)  $x \leq -6$



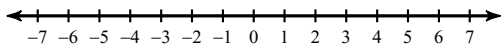
5)  $-6 \leq n$



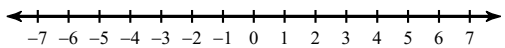
6)  $r > 2$



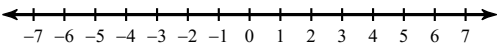
7)  $n \leq 3$



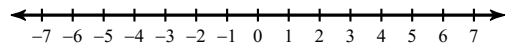
8)  $x > 6$



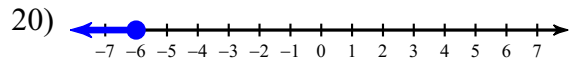
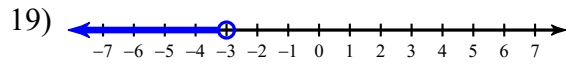
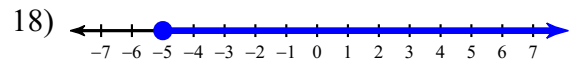
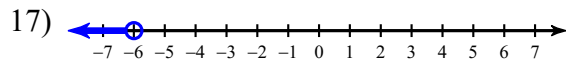
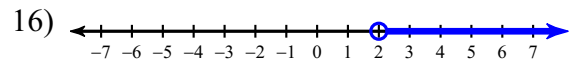
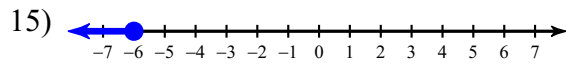
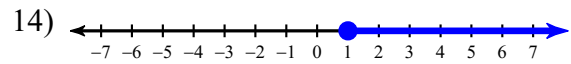
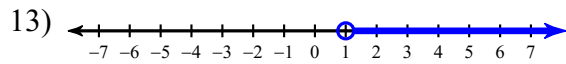
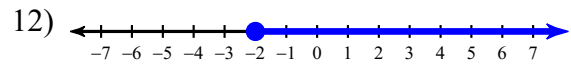
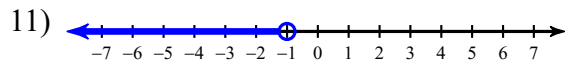
9)  $n \geq 2$



10)  $5 > n$



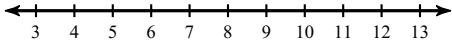
Write an inequality for each graph.



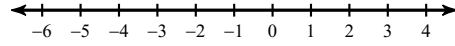
## Section 5-1: Inequalities

Solve each inequality and graph its solution.

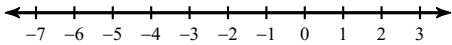
1)  $16 + x > 21$



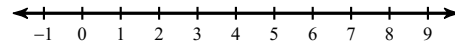
2)  $4 + p \geq 5$



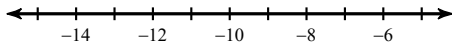
3)  $-11 \leq -9 + n$



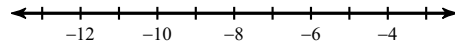
4)  $r - 1 < 1$



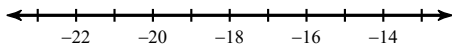
5)  $k + -10 < -23$



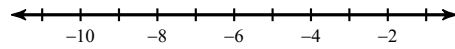
6)  $-23 \leq k - 17$



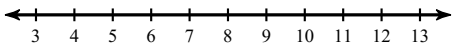
7)  $-2 > v - -14$



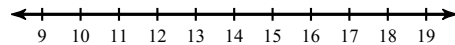
8)  $-27 \leq -19 + x$



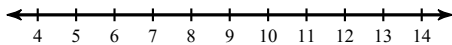
9)  $m + -6 > 0$



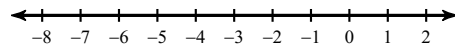
10)  $2 \leq p - 15$



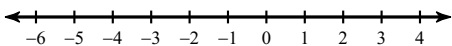
11)  $b - -10.6 \leq 16.8$



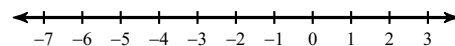
12)  $-10.5 + n > -11.7$



13)  $\frac{7}{12} \leq b + -\frac{2}{3}$



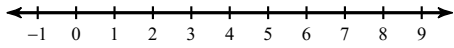
14)  $x - -\frac{7}{17} < \frac{7}{17}$



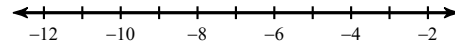
## Section 5-2: Inequalities

Solve each inequality and graph its solution.

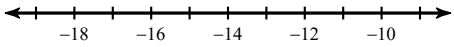
1)  $16k < 48$



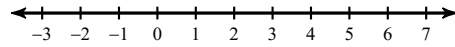
2)  $-50 > 5r$



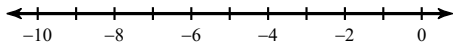
3)  $-4x < 52$



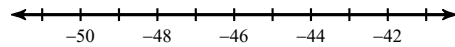
4)  $-9 > -9n$



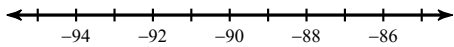
5)  $-72 > 12a$



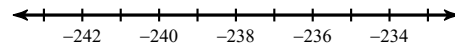
6)  $\frac{x}{12} \geq -4$



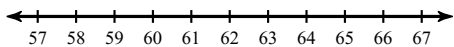
7)  $-7 \geq \frac{x}{13}$



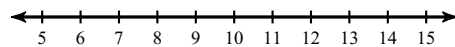
8)  $\frac{b}{15} \leq -16$



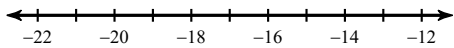
9)  $7 \geq \frac{r}{9}$



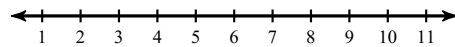
10)  $\frac{x}{9} > \frac{11}{9}$



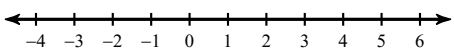
11)  $-5.1p > 78.54$



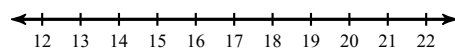
12)  $\frac{p}{12.5} > 0.72$



13)  $\frac{35}{11} \leq \frac{5}{3}x$



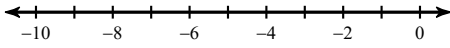
14)  $\frac{180}{13} \leq \frac{12}{13}r$



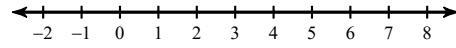
## Section 5-3: Inequalities

Solve each inequality and graph its solution.

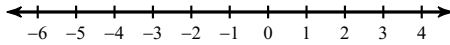
1)  $-2x + 2 + x \leq 10$



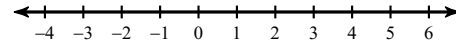
2)  $6 \leq 8x - 6x$



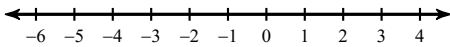
3)  $a - 8a \geq 7$



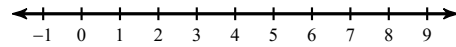
4)  $-2a + 2a > -3$



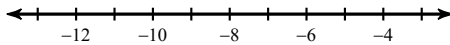
5)  $21 > -8a + 5 + 8$



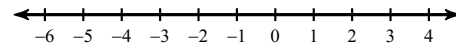
6)  $b + 5 - 4b \leq -10$



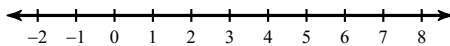
7)  $3 + 2m - 5 \leq -14$



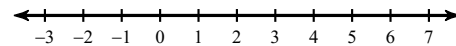
8)  $5p + 2p < 0$



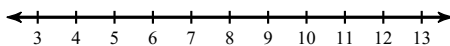
9)  $7x - x \leq 24$



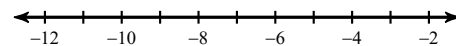
10)  $0 \geq 6x + 5x$



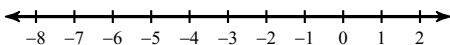
11)  $150 \geq 6(1 + 4n)$



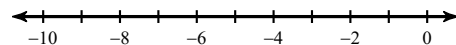
12)  $3(4m - 3) \leq -81$



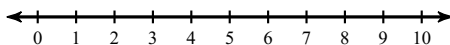
13)  $x - 8 < -8 + 3x$



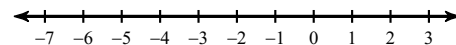
14)  $-14 - 3b < 4b + 7$



15)  $-14 + x > -3(8 - x)$



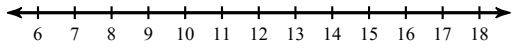
16)  $3v + 3(1 - 6v) \geq -6v + 21$



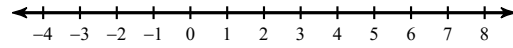
## Section 5-4: Inequalities

Solve each compound inequality and graph its solution.

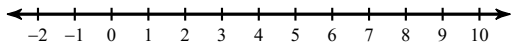
1)  $7 < x - 2 \leq 8$



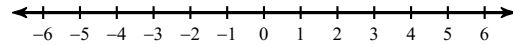
2)  $-20 < 10x \leq 20$



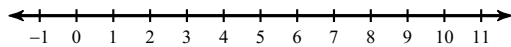
3)  $0 < \frac{r}{4} \leq 1$



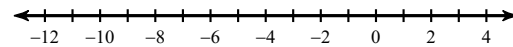
4)  $3 \leq x + 6 < 6$



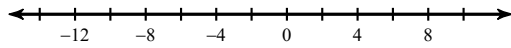
5)  $x - 6 < -4$  or  $\frac{x}{7} \geq 1$



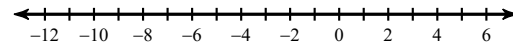
6)  $\frac{x}{8} < -1$  or  $\frac{x}{5} > 0$



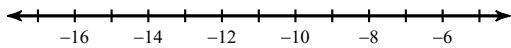
7)  $n + 9 < -1$  or  $n + 10 > 17$



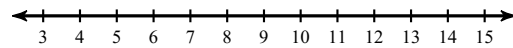
8)  $-6 + x \leq -13$  or  $-7x < -14$



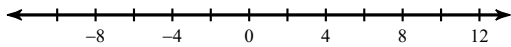
9)  $48 \leq -6n < 54$



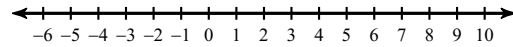
10)  $-6 < x - 10 \leq -3$



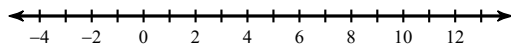
11)  $-80 < 9p - 8 < 82$



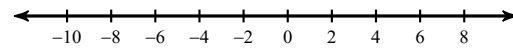
12)  $-21 \leq 5n + 4 \leq 44$



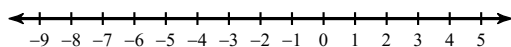
13)  $-3 - 5n \leq -43$  or  $4 + n < 5$



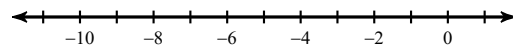
14)  $x - 4 \geq 1$  or  $-3 + 2x < -19$



15)  $-9r + 6 < -8r + 6$  or  $-3 + 4r > 5r + 1$



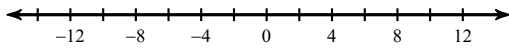
16)  $8p - 3 \leq 10p + 9 \leq 9p + 8$



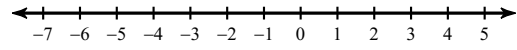
## Section 5-5: Inequalities

Solve each inequality and graph its solution.

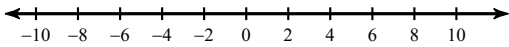
1)  $|n| > 10$



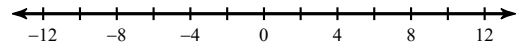
2)  $|p| \leq 4$



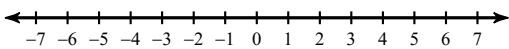
3)  $|x| + 10 \leq 19$



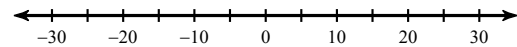
4)  $|a| - 4 \leq 6$



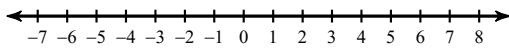
5)  $-4|x| > -24$



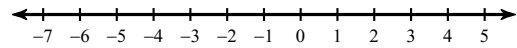
6)  $\frac{|x|}{9} \geq 3$



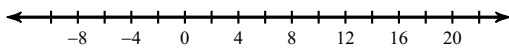
7)  $-3|x| + 4 < -8$



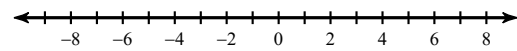
8)  $3|x| - 10 \leq -4$



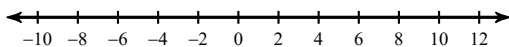
9)  $|m - 5| \geq 12$



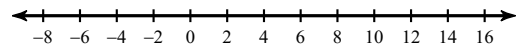
10)  $|4b| > 16$



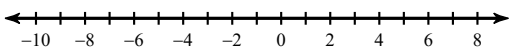
11)  $|3x| > 21$



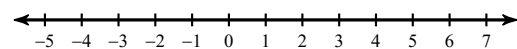
12)  $|n - 4| \leq 9$



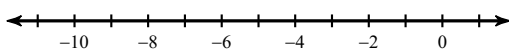
13)  $|2r + 4| \leq 14$



14)  $|10 - 9n| > 1$



15)  $|5 + n| - 10 \geq -9$



16)  $\left|\frac{a}{2}\right| + 1 \geq 4$

