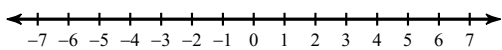


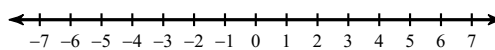
Inequalities Quiz Review

Draw a graph for each inequality.

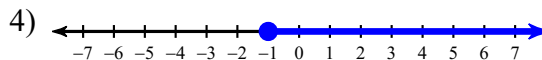
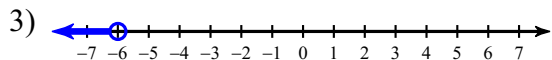
1) $x \leq 5$



2) $5 < n$



Write an inequality for each graph.



Write an inequality to model each situation.

5) The restaurant must serve at least 45 people a night to make a profit.

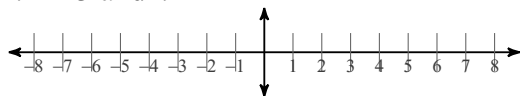
6) The Magic Kingdom has more than 1,500 lightbulbs on mainstreet.

7) You must be shorter than 52 inches to ride the ride.

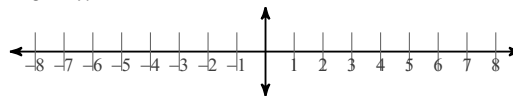
8) The theatre has a maximum capacity of 550.

Graph each compound inequality.

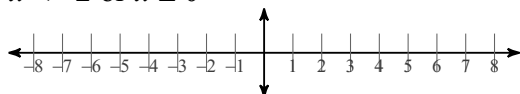
9) $n \geq -3$ and $n \leq -1$



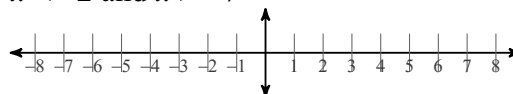
10) $-6 < x \leq 1$



11) $x < -2$ or $x \geq 0$



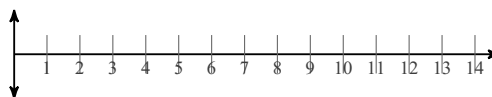
12) $x < -2$ and $x > -7$



13) What compound inequality represents the phrase "all numbers between -1 and 7"? Graph the solutions.

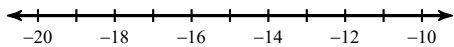


14) Write a compound inequality that describes people who are younger than 8 or older than 12. Graph the results

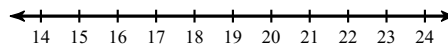


Solve each inequality and graph its solution.

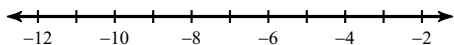
15) $36 \geq 20 - x$



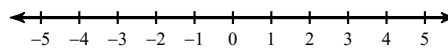
16) $17k < 306$



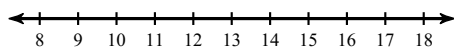
17) $-7 - r < 0$



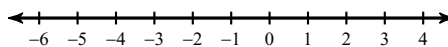
18) $2 \geq \frac{3+p}{3}$



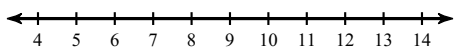
19) $-2 > \frac{v}{10} - 3$



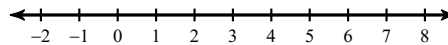
20) $-3 \leq \frac{r-5}{2}$



21) $-3 + \frac{m}{4} > -1$

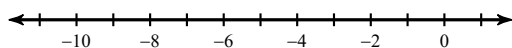


22) $-11 - 6x < 5 - 4(1 + 3x)$

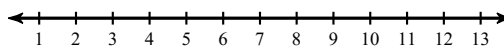


Solve each compound inequality and graph its solution.

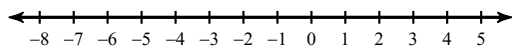
23) $\frac{x}{5} < -1$ or $-4 + x > -7$



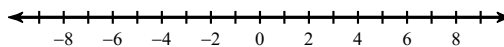
24) $b + 3 \leq 9$ and $\frac{b}{5} \geq 1$



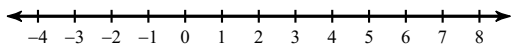
25) $\frac{v}{2} \geq 1$ or $v - 1 < -5$



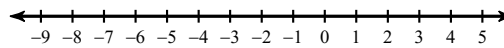
26) $-6n < 36$ and $\frac{n}{2} \leq 3$



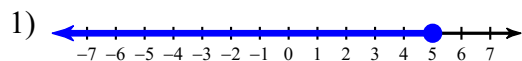
27) $1 < 4 - x \leq 5$



28) $4 + x \geq 4$ or $-3x - 2 > 10$



Answers to Inequalities Quiz Review (ID: 1)



3) $n < -6$

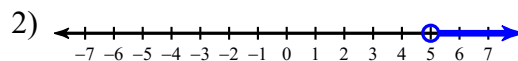
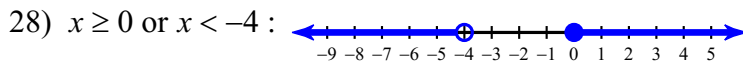
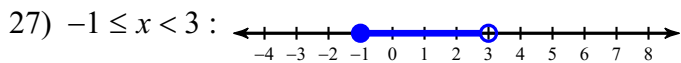
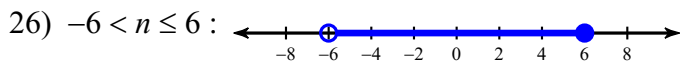
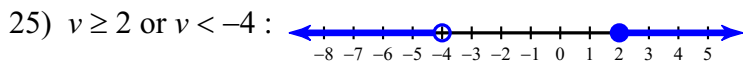
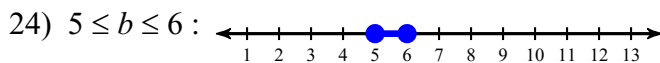
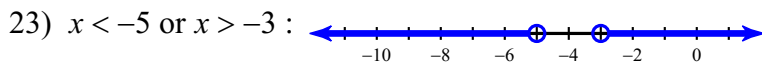
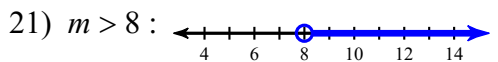
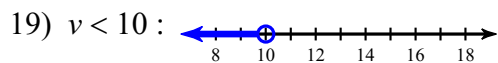
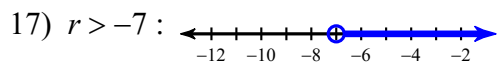
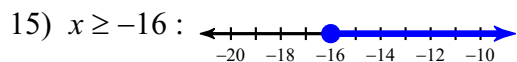
4) $n \geq -1$

7) $h < 52$

8) $p \leq 550$

11)

12)



5) $p \geq 45$

6) $a > 1500$

9)

10)

13) $-1 < x < 7$

14) $a < 8$ or $a > 12$

