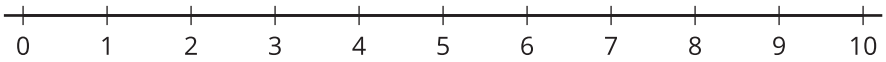
Inequalities

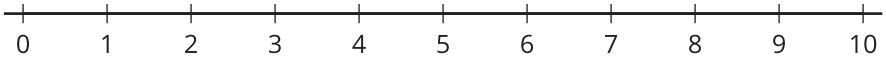
Let's solve and graph inequalities.

16.1 Graphing Inequalities

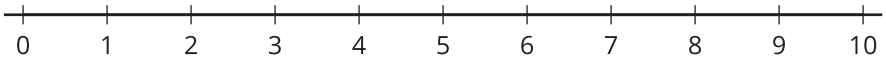
1. $x > 5$



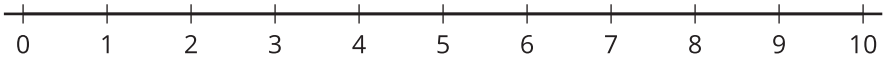
2. $x < 3$



3. $x \leq 2$



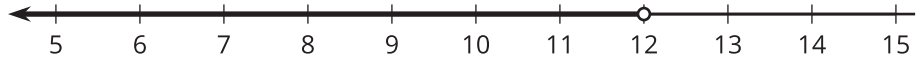
4. $x \geq 4$



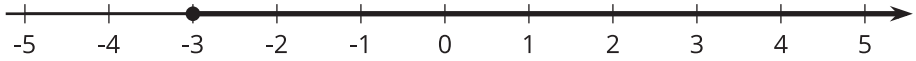
16.2 Writing Inequalities

Write an inequality that describes the graph on each number line.

1.



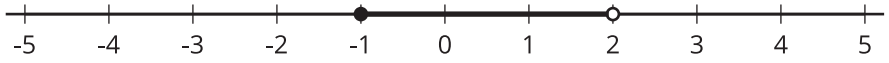
2.



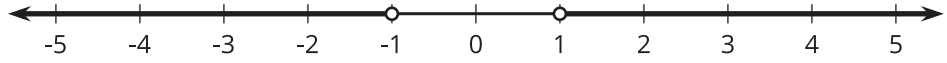
3.



4.



5.



6.

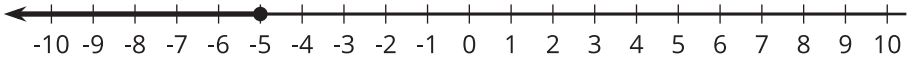


16.3 Solving Inequalities

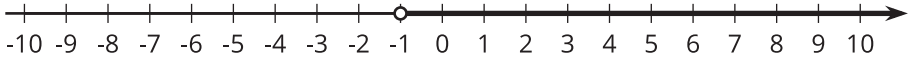
Solve each inequality and match it with its graph. Be prepared to explain your reasoning.

1. $-x + 3 > 5$
2. $x + 5 \leq 4$
3. $-5x < 5$
4. $3x - 7 \geq 20$
5. $5x + 3 < 13$
6. $2(x - 1) \leq 16$
7. $-4(2x + 3) \geq 28$
8. $-x + 3 > 5$

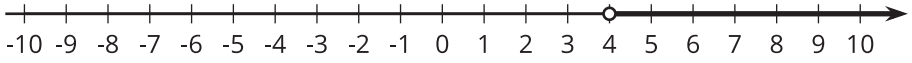
A.



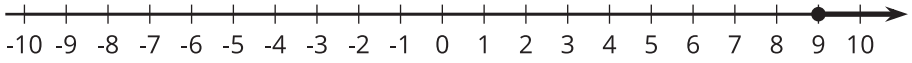
B.



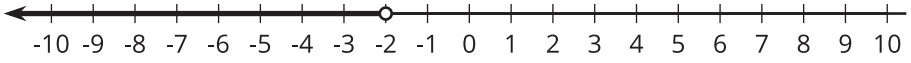
C.



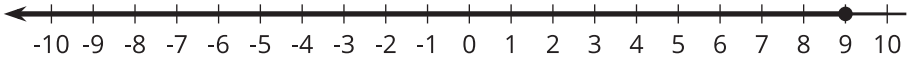
D.



E.



F.



G.



H.

