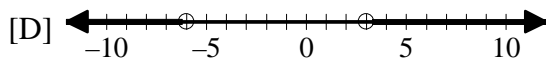
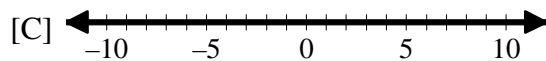
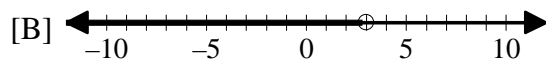
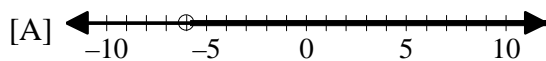


Chapter 1 Practice Test

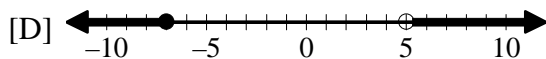
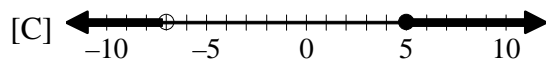
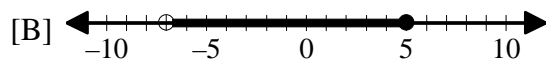
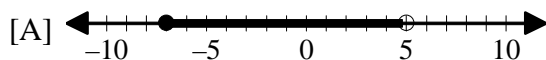
Name: _____ Period: _____

Graph:

1. $-6 \leq 2x + 8 \leq 6$



3. $x + 2 < -5$ or $x \geq 5$



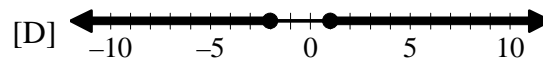
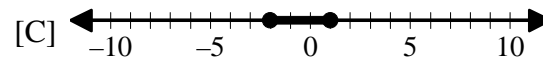
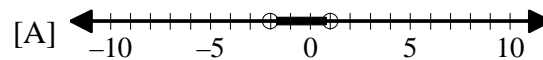
4. Solve: $|2x - 5| = 2$

[A] $\frac{7}{2}, \frac{3}{2}$ [B] $-6, 1$

[C] $-\frac{7}{2}, \frac{3}{2}$ [D] $2, 1$

Graph:

5. $|8x + 4| \leq 12$



6. $|2x + 1| > 3$

write a linear inequality that has $(-3, 3)$ as a solution. Draw a graph to show that $(-3, 3)$ is a solution to your inequality.

8. Graph: $3x - 5y \leq -15$

Solve the system by graphing.

9. $y \leq x - 6$
 $2x + y \leq 0$

10. $4x + 3y \geq 12$
 $x \geq y$
 $x \leq 6$

11. Solve: $4 = |-2 + 6x|$

12. Use the problem solving strategy *Draw a Diagram* to solve the following problem. The ideal diameter of the inside opening of a pipe is 3.85 cm. This opening can vary by at most 0.015 cm. Find the maximum and minimum diameters of this inside opening.

13. Solve and graph $6 - 5x < 20$.

14. Graph: $Y > 2x + 1$

15. Which inequality has $(1, 6)$ as a solution?
[A] $-5x - 3y \geq -21$
[B] none of these [C] $-x - 5y \leq -29$
[D] $-3x - y \leq -11$