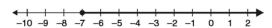
Name: __

Date: _____

- A go-cart has a maximum weight limit of 240 pounds. Which inequality correctly represents this weight limit, w?
 - A. $w \le 240$ pounds
- B. w < 240 pounds
- C. $w \ge 240$ pounds D. w > 240 pounds
- 2. Which is the solution to the following inequality?

$$2x - 7 \ge 9$$

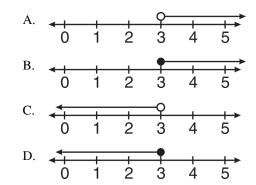
- A. $x \ge 8$
- B. $x \ge 1$
- C. $x \le 8$
- D. $x \ge -1$
- What is the solution to the inequality x 5 > 14? 3.
 - A. x > 9
- B. x > 19
- C. x < 9
- D. x < 19
- 4. Jason is planning to go to a concert. He has \$25.00. A ticket costs \$11.75. Which inequality represents the amount of money Jason can spend on refreshments?
 - A. $x + 11.75 \le 25$
- B. $x 11.75 \le 25$
- C. $x + 11.75 \ge 25$
- D. $x 11.75 \ge 25$
- 5. Use the graph below to answer the question that follows.



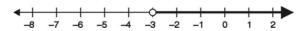
This graph is the solution set for which inequality?

- A. x 14 > 7
- B. $x 7 \ge 14$
- C. $2x \ge -14$
- D. $14x \ge -2$

Which graph represents $x \ge 3$?



7. Use the line graph below to answer the question that follows.



What is the solution set of the graph above?

- A. x < -3
- B. $x \le -3$
- C. x > -3
- D. $x^3 3$
- 8. A box of cookies costs \$4. Freeman has \$34. The inequality below can be used to find the numbers of boxes of cookies, x, Freeman can buy with \$34.

$$4x \leq 34$$

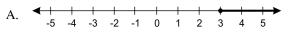
Which statement describes all the possible numbers of boxes of cookies Freeman can buy with \$34?

- He can buy 8 boxes of cookies or fewer.
- He can buy 9 boxes of cookies or fewer.
- He can buy 30 boxes of cookies or fewer.
- He can buy 38 boxes of cookies or fewer.

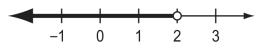
9. Use the inequality below to answer question(s).

$$5 - x \le 8$$

Which graph represents the solution set for the inequality?



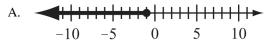
10. Which of the following inequalities is graphed on the number line below?



A. x < 2 B. $x \le 2$ C. x > 2 D. $x \ge 2$

11. Which of the following graphs represents the solution of the inequality below?

$$x - 5 \le 4$$



C.
$$-10 -5 0 5 10$$

12. An office manager budgeted \$400 for office supplies. The manager ordered 2 toner cartridges for \$89 each and a box of printer paper for \$27. Each price includes tax.

What is the greatest number of additional boxes of printer paper the manager can order with the money left in the budget?

- A. 2
- B. 7
- C. 8
- D. 10