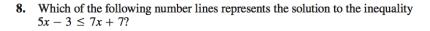
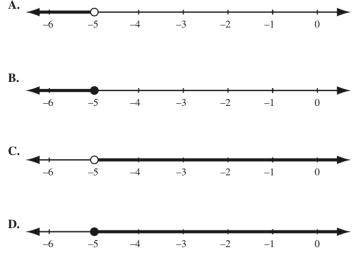
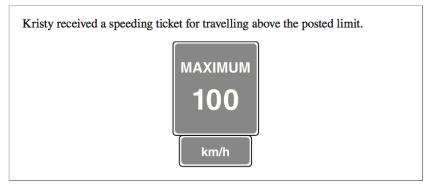
Name:_____

- 6. The solution to the inequality 6 x > -1 is
 - **A.** x < 7
 - **B.** x > 7
 - **C.** x < -7
 - **D.** x > -7





Use the following information to answer question 12.



- 12. The inequality that shows the speed, s, that Kristy was travelling at is
 - A. $s \le 100 \text{ km/h}$
 - **B.** *s* < 100 km/h
 - C. $s \ge 100 \text{ km/h}$
 - **D.** s > 100 km/h

Name:

Use the following information to answer question 29.

Sandy has a budget of \$100 to spend on back-to-school clothes. The shirts she wants to buy are \$12 each, and the pants she wants to buy are \$25 each. All prices include tax.

- **29.** Which of the following inequalities could be used to determine the maximum number of shirts, *n*, Sandy can buy if she also buys 2 pairs of pants?
 - A. $12n 2(25) \le 100$
 - **B.** $12n + 2(25) \le 100$
 - **C.** $2(25) 12n \ge 100$
 - **D.** $2(25) + 12n \ge 100$

Numerical Response

At a picnic for 49 people, 4 families each brought an equal number of lawn chairs. If 5 more lawn chairs were still needed, then how many chairs did each family bring?

Answer: ____

(Record your answer in the numerical-response section on the answer sheet.)

Use the following information to answer question 20.

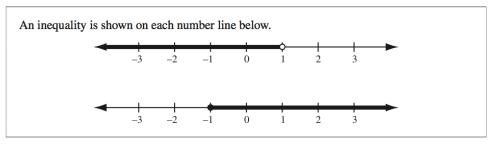
Chantal receives a \$50 gift card to join the online music store shown below.

- **20.** Which of the following inequalities can be used to determine the maximum number of songs that Chantal can purchase with her gift card?
 - A. $50 \ge 5 + 0.99x$
 - **B.** 50 > 5 + 0.99x
 - C. $50 \le 5 + 0.99x$
 - **D.** 50 < 5 + 0.99x

^{8.}

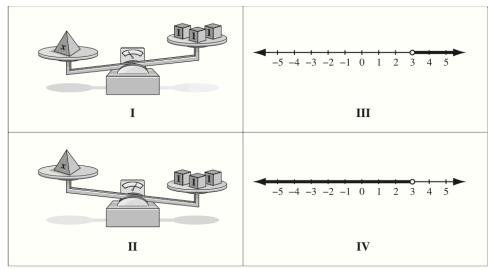
Name:

Use the following information to answer question 5.



- 5. Which expression represents the values (*n*) that are part of both inequalities?
 - A. $-1 \le n \le 1$
 - **B.** $-1 \le n < 1$
 - **C.** $-1 < n \le 1$
 - **D.** -1 < n < 1

Use the following diagrams to answer question 24.



24. The two diagrams shown above that **both** represent the inequality x > 3 are numbered

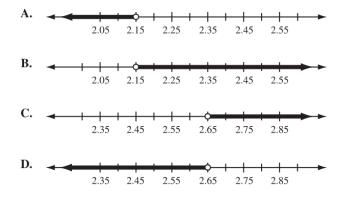
- A. I and III
- B. I and IV
- C. II and III
- D. II and IV

Name:

Use the following information to answer question 2.

Aaron buys a cheeseburger for \$6.50 and a container of milk for \$0.80. Sam buys a tossed salad and a bowl of soup. The soup costs \$2.00 more than the salad. Sam's meal is less expensive than Aaron's meal.

2. Which of the following number lines could represent the price of Sam's salad?

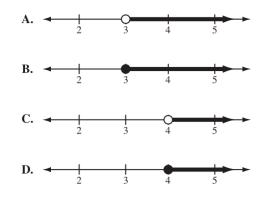


The cost of a team banquet is \$200 for the room rental and \$15 per person, n, for the meal. All taxes are included in these costs. The team has a maximum budget of \$650 for the banquet.

- 20. The inequality that can be used to determine how many people can attend is
 - A. 15n + 200 > 650
 - **B.** 15*n* + 200 < 650
 - C. $15n + 200 \ge 650$
 - **D.** $15n + 200 \le 650$

Name:

31. Which number line shown below represents the solution to 4(2x - 1) > 4x + 8?



Jennifer's goal is to save \$1 200. Each week she saves 20% of her weekly income of \$576.

- 7. How many weeks will it take Jennifer to reach her goal?
 - **A.** 10
 - **B.** 11
 - **C.** 24
 - **D.** 29