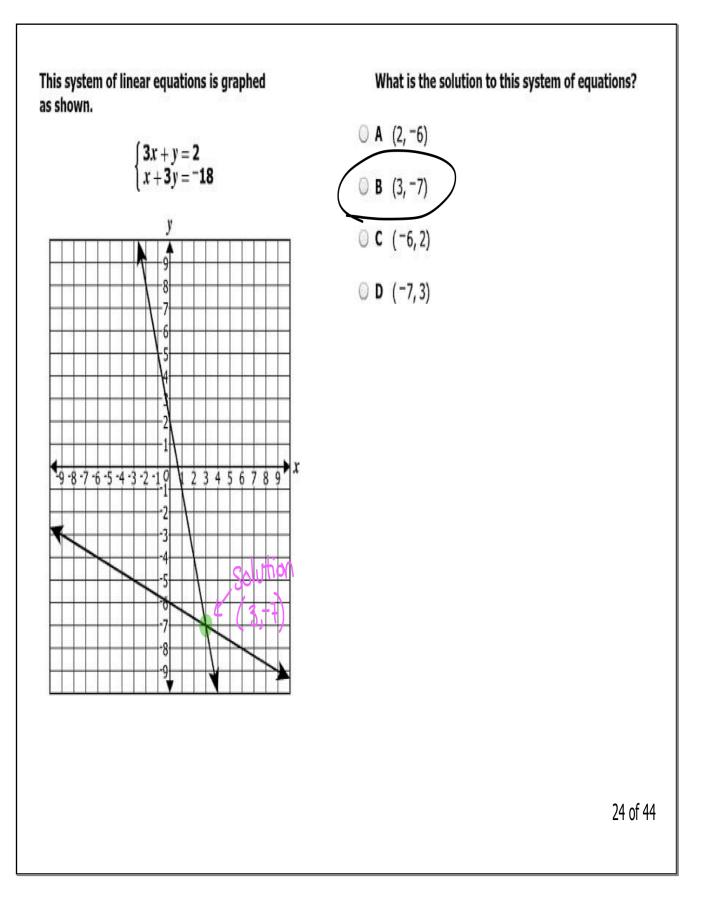
Directions: Type your answer in the box.

Based on the transitive property, complete this statement.  

$$Q \ge b \qquad b \ge c \qquad Q \ge C$$
  
If  $2(y-3) \ge 3x-4$  and  $3x-4 \ge 6-y$ , then  $2(y-3) \ge ?$   
If  $Q \ge 0 > 2x-4$  and  $3x-4 \ge 6-y$ , then  $2(y-3) \ge ?$   
 $IF Q \ge 0 > 2x-4$  and  $3x-4 \ge 6-y$ , then  $2(y-3) \ge ?$   
 $IF Q \ge 0 > 2x-4$  and  $3x-4 \ge 6-y$ , then  $2(y-3) \ge ?$   
 $IF Q \ge 0 > 2x-4$  and  $3x-4 \ge 6-y$ , then  $2(y-3) \ge ?$   
 $IF Q \ge 0 > 2x-4$  and  $3x-4 \ge 6-y$ .

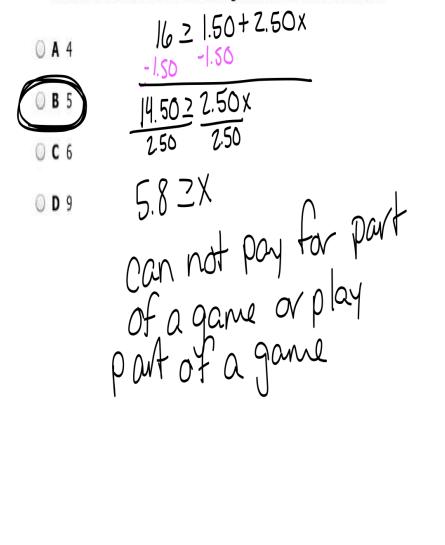
23 of 44



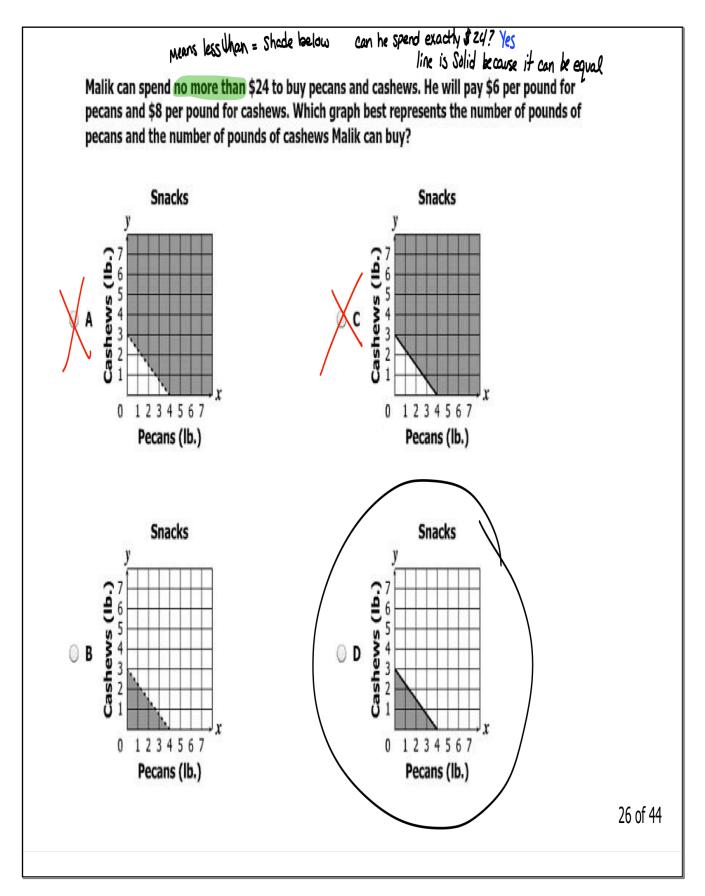
Renee is going bowling.

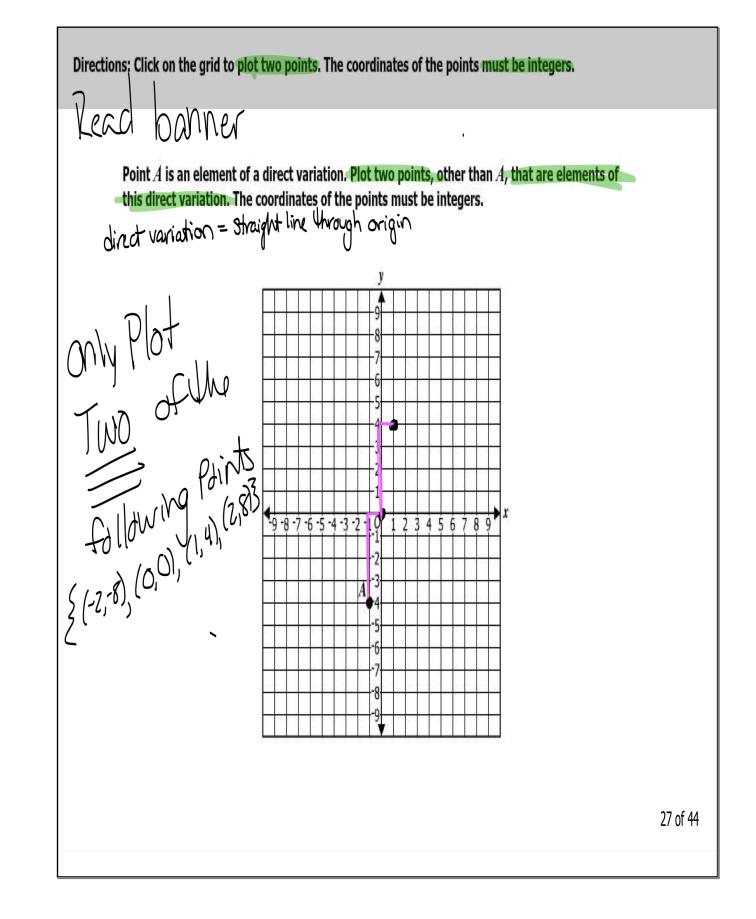
- The cost per game is \$2.50.
- Renee will need to rent a pair of bowling shoes for \$1.50.
- She can spend up to \$16.00 to bowl and rent a pair of shoes.

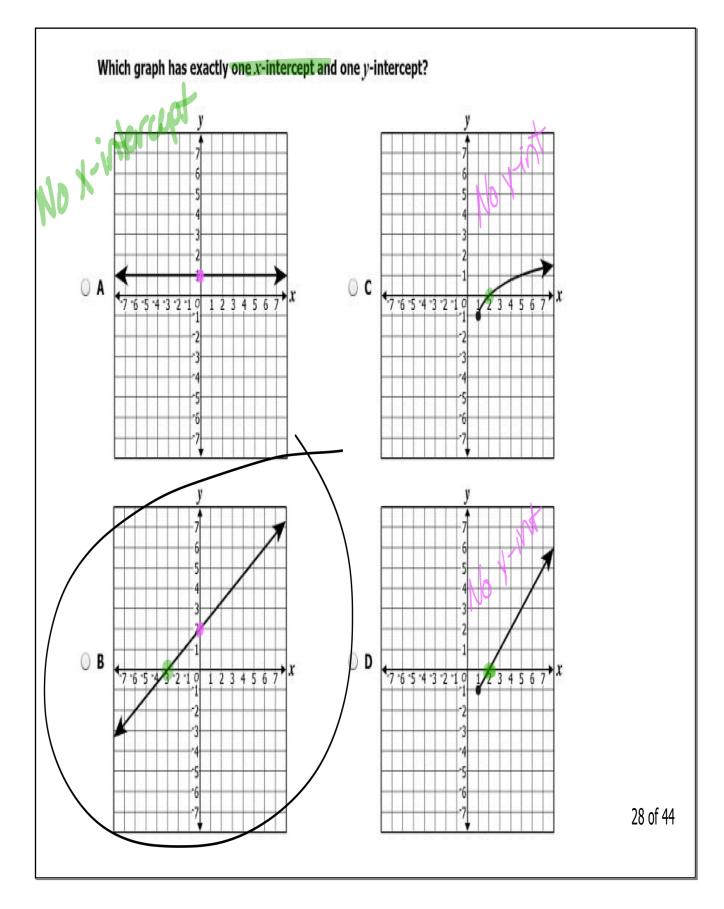
What is the maximum number of games that Renee can bowl?

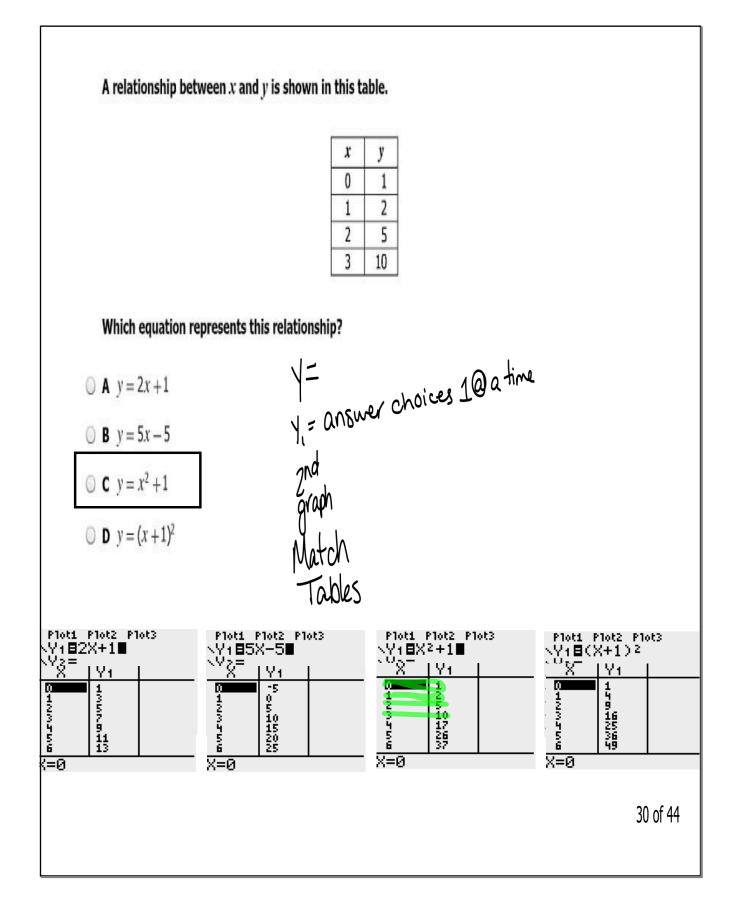


25 of 44

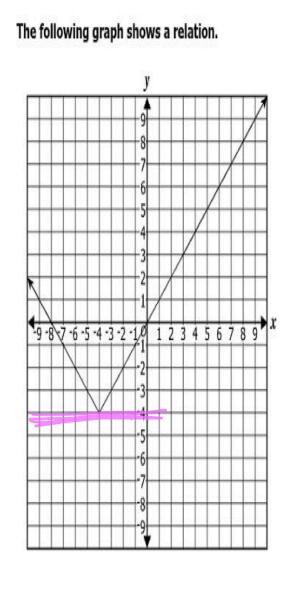








Ms. Scott will pay \$2,000 to have her house painted. The amount each painter earns, A, varies *inversely* for the number of painters, *n*, that will paint the house. Which equation best represents Inverse Variation this situation?  $\bigcirc$  **A** A = 2,000 + n $\bigcirc$  **B** 2,000 = *A* + *n* K= constant of Variation  $\bigcirc$  **C** A = 2,000n $\chi \chi = K$ ○ **D** 2,000 = An 31 of 44



Which of the following best describes the range of this relation?

- O A All real numbers
- ◎ B All real numbers between -10 and 10
- $\bigcirc$  C All real numbers less than or equal to -4
- O D All real numbers greater than or equal to -4

