

Monday March 3, 2014

1. What is the value of x in the solution to the system of linear equations below?

$$y = 5x + 16$$

$$2x + 3y = -3$$

- A $x = 3$
- B $x = 1$
- C $x = -3$
- D $x = -1$
2. Write a paragraph explaining how you found the value of x in the solution to the system.

Tuesday March 4, 2014

1. Jonny has 25 marbles, each of which is either purple or blue. The difference between the number of purple marbles and three times the number of blue marbles is 6. Jonny wrote the following system of equations where x was the number of purple marbles and y was the number of blue marbles:

$$x + y = 25$$

$$x - 3y = 6$$

Which statement below describes the solution to this system of equations?

- A This system of equations has no solution.
- B There is a reasonable solution to this system of equations.
- C There is no reasonable solution to this system of equations, because the number of marbles cannot be a fraction
- D There is no reasonable solution to this system of equations, because the number of marbles cannot be negative
2. Write a paragraph explaining how you were able to describe the solution to the system.

Wed. March 5/Thurs. March 6

1. Jacklyn bought 9 concert tickets worth \$330. The lower floor tickets cost \$40.00 each and the upper floors cost \$25.00 each. How much did Jacklyn spend on the lower floor tickets?

2. Write a paragraph explaining how you found out how much Jacklyn spent on lower floor tickets.

Friday March 7, 2014

1. What is the solution to the system of equations below?

$$x - y = 5$$

$$3x - 3y = 15$$

2. Write a paragraph explaining how you found the solution to the system.