Linear Station 2

1. Which of the following represents the linear equation 3(x+2)= 12 – 2*y* in standard form?

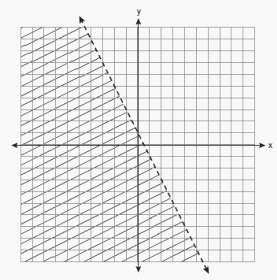
a. y = -3/2x + 3

b. y = 3/2x - 3

c. 3*x* – 2*y* = 10

d. 3*x* + 2*y* = 6

1. Which inequality is represented by the graph at the right?

*http://regentsprep.org/REgents/math/ALGEBRA/MultipleChoiceReview/Equati2.gif*****

http://regentsprep.org/REgents/math/ALGEBRA/MultipleChoiceReview/Equati1.gif a.

*http://regentsprep.org/REgents/math/ALGEBRA/MultipleChoiceReview/Equati4.gif* b.

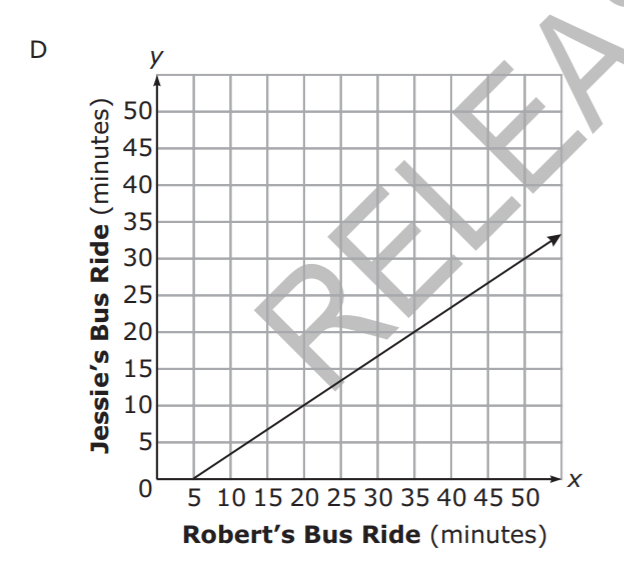
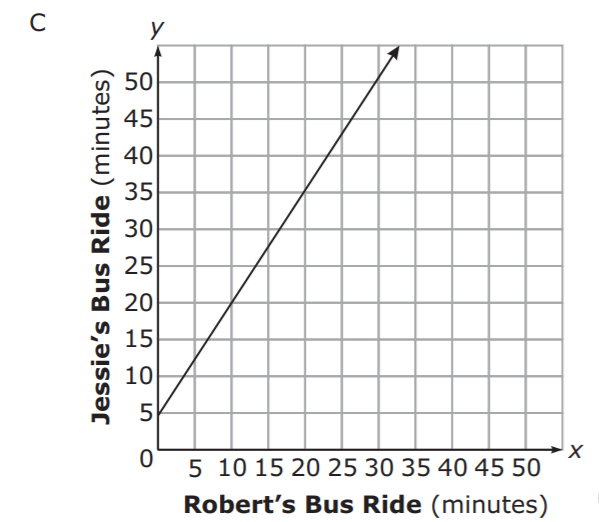
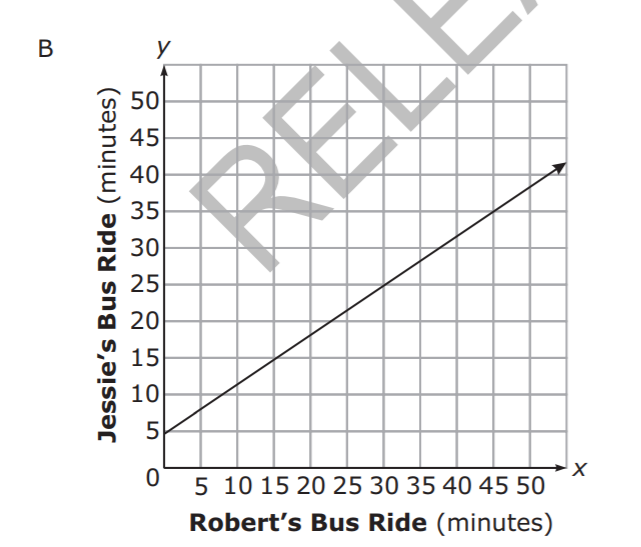
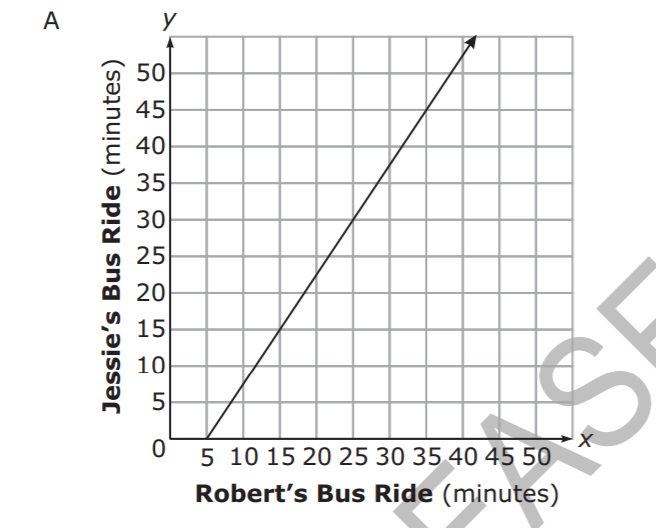
c.

http://regentsprep.org/REgents/math/ALGEBRA/MultipleChoiceReview/Equati3.gif

d.

1. Cell phone Company Y charges a $10 start-up fee plus $0.10 per minute, x. Cell phone Company Z charges $0.20 per minute, x, with no start-up fee. Which function represents the difference in cost between Company Y and Company Z?
2. f(x) = 0.10x − 10
3. f(x) = 0.10x + 10
4. f(x) = 10x – 0.10
5. f(x) = 10x + 0.10

1. Jessie’s bus ride to school is 5 minutes more than 2 3 the time of Robert’s bus ride. Which graph shows the possible times of Jessie’s and Robert’s bus rides?



1. Suppose that the function f(x) = 2x + 12 represents the cost to rent x movies a month from an internet movie club. Makayla now has $10. How many more dollars does Makayla need to rent 7 movies next month?