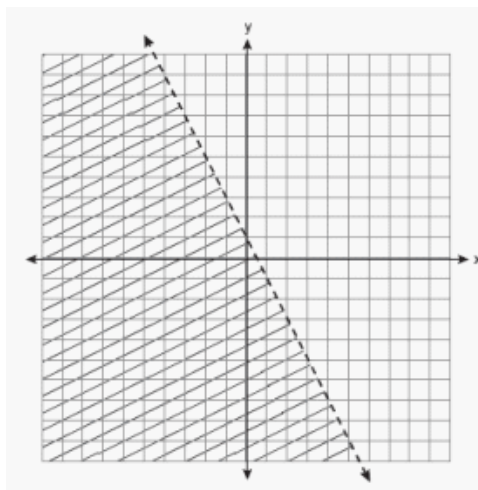# Linear Station 2

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

    a. $y = -3/2x + 3$
    b. $y = 3/2x - 3$
    c. $3x - 2y = 10$
    d. $3x + 2y = 6$

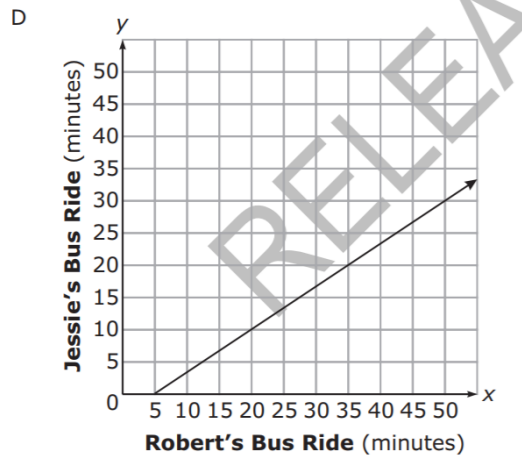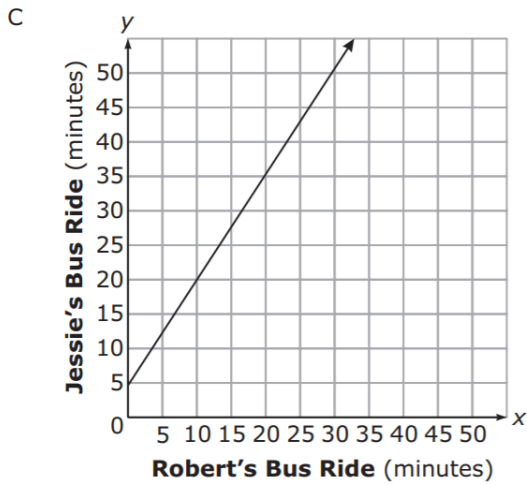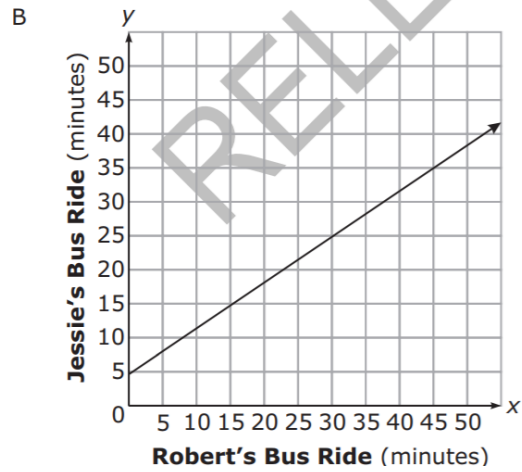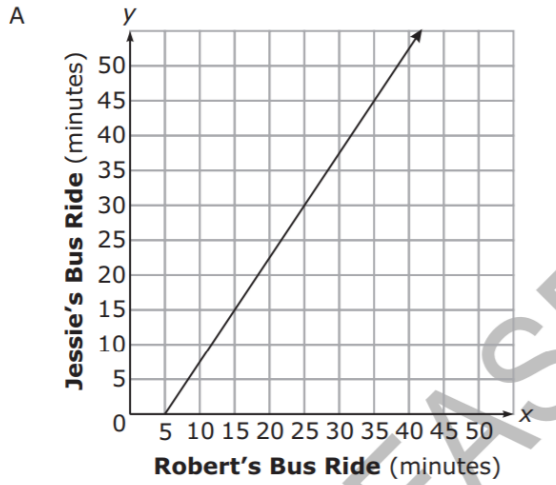2. Which inequality is represented by the graph at the right?

    a. $y < -2x + 1$
    b. $y < 2x + 1$
    c. $y < -\dfrac{1}{2}x + 1$
    d. $y < \dfrac{1}{2}x + 1$

3. 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?

    a. $f(x) = 0.10x - 10$
    b. $f(x) = 0.10x + 10$
    c. $f(x) = 10x - 0.10$
    d. $f(x) = 10x + 0.10$

4. Jessie's bus ride to school is 5 minutes more than $\frac{2}{3}$ the time of Robert's bus ride. Which graph shows the possible times of Jessie's and Robert's bus rides?

A

C

B

D

5. 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?