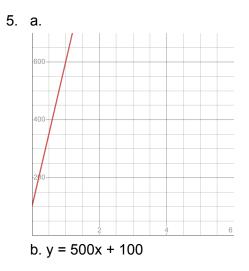
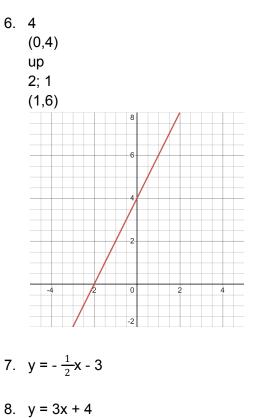
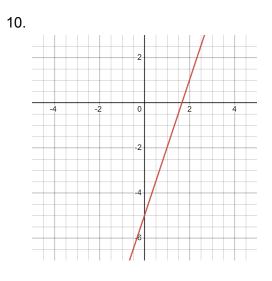
- Sample answer: The equation is y = mx + b, where *m* is the slope and *b* is the y-intercept.
- 2. Sample answer: You can find the equation by using the information given. You know the slope, *m*, is $\frac{2}{5}$ and the y-intercept, *b*, is 50. So the equation of the line in slope-intercept form is $y = \frac{2}{5}x + 50$.
- 3. Sample answer: The graph has a positive slope, $\frac{3}{4}$, so it will move up from left to right. The y-intercept will be at -4, so the line will move up from Quadrant III through Quadrant IV to Quadrant I.
- 4. George; Sample answer: The slope is negative and the y-intercept is 5.





9.
$$y = 12x + 6$$



11. a. y = -5x + 25
b. Sample answer: She might have mixed up the x-intercept with the y-intercept when finding the y-intercept, or *b*.

12. a. y = 21x + 12.25

b. Sample answer: The slope-intercept form of the line is y = mx + b, where *m* is the slope or rate of change (\$21 per ticket), and *b* is the y-intercept (the fee added to each order). You can substitute these values into the slope-intercept form of the equation.

c. Sample answer: No, the graph should be a series of points since only whole numbers of tickets can be purchased.

13. D

14. y = -2x + 8