

Pg 190 #1-16

1. slope: $\frac{1}{4}$

y-intercept: -8

2. slope: -1

y-intercept: 3

3. x-intercept: 4

y-intercept: -6

4. x-intercept: 15

y-intercept: 3

5. $y = -\frac{4}{3}x - 1$

6. $y = x$

7. $y = \frac{1}{2}x - 2$

8. $y - 3 = 2(x - 1)$

9. $y + 2 = \frac{1}{3}(x + 3)$

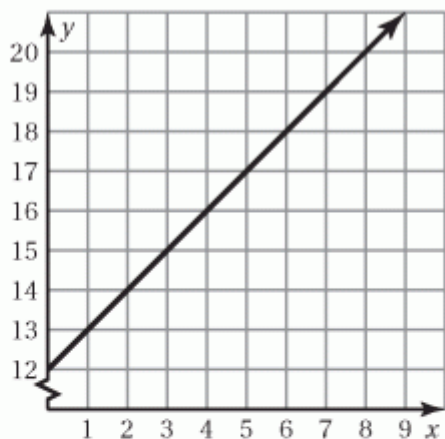
10. $y - 4 = -1(x + 1)$

11. $y + 5 = -\frac{1}{8}(x - 8)$

12. $y = -\frac{2}{3}$

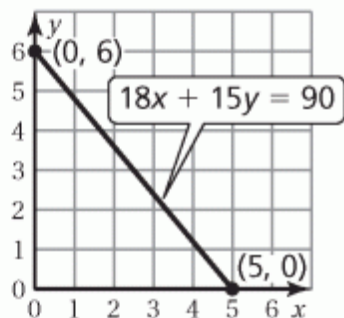
13. $y = -x + 4$

14. a.



- b. The y -intercept represents the admission price of \$12 and the slope represents the unit cost of \$1 per ride.

15. a.



- b. The x -intercept, 5, shows that you can buy 5 gallons of blue paint if you do not buy any white paint. The y -intercept, 6, shows that you can buy 6 gallons of white paint if you do not buy any blue paint.

16. $y = \frac{1}{2}x + 13$