

Practice

Student Edition

Pages 88–94

Writing Linear Equations*State the slope and y-intercept of the graph of each equation.*

1. $5x - 4y = 8$

2. $3x - y = -11$

3. $\frac{2}{3}x + \frac{4}{7}y = 1$

4. $3y = 7$

Write each equation in slope-intercept form.

5. $3x - 5y = 15$

6. $4x + 7y = 12$

7. $7y = -15$

8. $2x = -8$

Write an equation in slope-intercept form that satisfies each given condition.

9. slope = -5 , passes through $(-3, -8)$

10. slope = $\frac{4}{5}$, passes through $(10, -3)$

11. passes through $(4, 3)$ and $(7, -2)$

12. passes through $(-6, -3)$ and $(-8, 4)$

13. passes through $(3, 11)$ and $(-6, 5)$

14. passes through $(7, 2)$ and $(3, -5)$

15. x-intercept = 3 , y-intercept = 2

16. x-intercept = -5 , y-intercept = 7

17. x-intercept = -5 , y-intercept = -5

18. x-intercept = $\frac{1}{2}$, y-intercept = 4