

Skill: Standard Form and Slope-Intercept Form**Investigation 3****The Shapes of Algebra**

Write each equation in $y = mx + b$ form.

1. $3y = 15x - 12$

2. $5x + 10 = 10y$

3. $3y - 21 = 12x$

4. $5y + 3 = 2y - 3x + 5$

5. $-2(x + 3y) = 18$

6. $5(x + y) = 20 + 5x$

Skill: Standard Form and Slope-Intercept Form (cont.)**Investigation 3****The Shapes of Algebra**

Write each equation in $ax + by = c$ form.

7. $y = 4x - 11$

8. $y = 2x - 6$

9. $y = -2x - 3$

10. $y = 5x - 32$

11. $y = \frac{2}{3}x - \frac{25}{3}$

12. $y = 43 - 4x$

13. $y = -\frac{4}{5}x + \frac{6}{5}$

14. $y = -\frac{x}{5}$