

# Drill Station: Section 2.3

## Solve Equations with Stuff on Both Sides

|                                                                                                                                            |                                                                                                                                                                                                                                                        |                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. Solve the following equations with variables and constants on both sides. <math>8c + 7 = -3c - 37</math></p> <p>Sec: 2.3</p>         | <p>2. Solve the following equations with variables and constants on both sides. <math>\frac{7}{4}m - 7 = \frac{3}{4}m - 13</math></p> <p>Sec: 2.3</p>                                                                                                  | <p>3. Solve the following equations with variables and constants on both sides. <math>8x - 15 = 7x + 3</math></p> <p>Sec: 2.3</p>                    |
| <p>4. Solve the following equations with variables and constants on both sides. <math>6.6x - 18.9 = 3.4x + 54.7</math></p> <p>Sec: 2.3</p> | <p>5. Solve the equation for the variable. Show your work. <math>35 = -13y + 9</math></p> <p>Sec: 2.3</p>                                                                                                                                              | <p>6. Solve the following equations with variables on both sides. Show your work. <math>-11r - 8 = -7r</math></p> <p>Sec: 2.3</p>                    |
| <p>7. Solve the equation for the variable. Show your work. <math>12x - 8 = 64</math></p> <p>Sec: 2.3</p>                                   | <p>8. Jovani has 150 feet of fencing to make a rectangular garden in his backyard. He wants the length to be 15 feet more than the width. Find the width, <math>w</math>, by solving the equation <math>150 = 2w + 30 + 2w</math>.</p> <p>Sec: 2.3</p> | <p>9. Solve the following equations with variables and constants on both sides. <math>8 - \frac{2}{5}q = \frac{3}{5}q + 6</math></p> <p>Sec: 2.3</p> |

Drills KEY

Drill Station: Solve Equations with Stuff on Both Sides

|    |    |    |
|----|----|----|
| 1. | 2. | 3. |
| 4. | 5. | 6. |
| 7. | 8. | 9. |