

Name : \_\_\_\_\_

## Multi-Step Equations: Decimals

Sheet 1

Solve each equation.

1)  $2.1x - (1 + 4.2x) = 5.3$

2)  $4.3(v + 2.5) = 8.11 + 4v$

3)  $3(0.7z + 2.8) = 7(1.5z + 7.2)$

4)  $\frac{r + 4.6}{r - 2.3} = 3.3$

5)  $2(2.2b - 1.6 + b) = 6.4$

6)  $\frac{5.8}{3}t + 6 = 3.8t + 4.32$

7)  $\frac{4.5(6y - 8.8)}{3} = 3$

8)  $7.9u - 2 - 3.2u - 10 = 2.8 + u$

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## Answer Key

### Multi-Step Equations: Decimals

Sheet 1

Solve each equation.

1)  $2.1x - (1 + 4.2x) = 5.3$

**$x = -3$**

2)  $4.3(v + 2.5) = 8.11 + 4v$

**$v = -8.8$**

3)  $3(0.7z + 2.8) = 7(1.5z + 7.2)$

**$z = -5$**

4)  $\frac{r + 4.6}{r - 2.3} = 3.3$

**$r = 5.3$**

5)  $2(2.2b - 1.6 + b) = 6.4$

**$b = 1.5$**

6)  $\frac{5.8}{3}t + 6 = 3.8t + 4.32$

**$t = 0.9$**

7)  $\frac{4.5(6y - 8.8)}{3} = 3$

**$y = 1.8$**

8)  $7.9u - 2 - 3.2u - 10 = 2.8 + u$

**$u = 4$**