7.2 Two-Step Equations

Math 9

Review of Two-Step Equations

Part I: Equations with Integers

Solve each equation. Show how you are isolating the variable.

$$2n + 4 = 18$$

$$-4 - 4$$

$$2n = 14$$

$$2n = 2$$

$$14 = 2$$

$$15y = 8$$

$$15y$$

Part II: Equations with Decimals Solve each equation. Show how you are isolating the variable.

Part III: Equations with Fractions Solve each equation. Show how you are isolating the variable.

*Clear fractions by multiplying each term by the LCD.

$$9 = \frac{x}{7} + 1$$
 $7 \cdot 9 = \frac{x}{7} + 1^{-7}$
 $4k + \frac{2}{5} = -\frac{2}{3}$
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 $3 \cdot 13 = \frac{1}{2}$
 $(\frac{x}{2} + \frac{x}{3} = 10)^{-6}$
 $3 \cdot 8 = \frac{x}{7} \cdot 7$
 $63 = \frac{x}{7} + 7$
 $60k + \frac{30}{5} = -\frac{30}{3}$
 $(\frac{x}{3} - \frac{7}{4} = \frac{1}{2})^{-12}$
 $63 = x + 7$
 $60k + \frac{30}{5} = -\frac{30}{3}$
 $63 = x + 7$
 $60k + \frac{30}{5} = -\frac{30}{3}$
 $60k + \frac{30}{5} = -\frac{30}{4} = \frac{12}{2}$
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