

Section 2.3a: Solving Linear Equations using Addition and Subtraction

Objectives

- Solve linear equations of the form $x + b = c$

Instruct

0. What is an equation?

1. What is a solution to an equation?

2. Describe what it means to “satisfy an equation.”

3. Solve the equations. Show the steps working vertically:

a) $x + 3 = 12$

b) $x - 5 = 7$

c) $x + 8 = 2$

Section 2.3b: Solving Linear Equations using Multiplication and Division

Objectives

- Solve linear equations of the form $ax = c$

Instruct

1. Show the results of $\frac{3}{4}$ multiplied by its reciprocal.
2. Multiplying by a number's reciprocal is the same as dividing by _____ . (slide 4)
3. TRUE/FALSE: $\frac{3x}{4} = \frac{3}{4}x$
4. Solve for x : $-3x = 24$
5. Solve for x : $8x - 5x = 17 + 4$
6. Solve for x : $\frac{2x}{5} = \frac{5}{12}$