

Section 2.4: Solving Linear Equations

Objective

- Solve equations of the form $ax + b = c$

Instruct

1. Copy the procedure for solving linear equations that simplify to the form $ax + b = c$.

2. Using the steps copied above, the first step in solving the equation $3x - 4 = 20$ is to
_____.

3. Find the error in the work below:

$$6x + 14 = 22$$

$$+14 = +14$$

$$6x = 36$$

$$\frac{6x}{6} = \frac{36}{6}$$

$$x = 6$$

For questions #4-5, carefully read through the examples given to determine the answers.

4. When asked to solve an equation with decimals, we can eliminate the decimals by
_____.

5. When asked to solve an equation with fractions, we can eliminate the fractions by
_____.

6. Solve the equation. Carefully show the work:

$$3x + 2 = 18$$