

Vocabulary Flash Cards

<p>Addition Property of Equality</p> <p><i>Chapter 1</i></p>	<p>Division Property of Equality</p> <p><i>Chapter 1</i></p>
<p>literal equation</p> <p><i>Chapter 1</i></p>	<p>Multiplication Property of Equality</p> <p><i>Chapter 1</i></p>
<p>Subtraction Property of Equality</p> <p><i>Chapter 1</i></p>	

Vocabulary Flash Cards

Dividing each side of an equation by the same number produces an equivalent equation.

$$\begin{aligned}4x &= -40 \\ \frac{4x}{4} &= \frac{-40}{4} \\ x &= -10\end{aligned}$$

Adding the same number to each side of an equation produces an equivalent equation.

$$\begin{aligned}x - 7 &= -6 \\ \underline{+ 7} \quad \underline{+ 7} \\ x &= 1\end{aligned}$$

Multiplying each side of an equation by the same number produces an equivalent equation.

$$\begin{aligned}-\frac{2}{3}x &= 8 \\ -\frac{3}{2} \cdot \left(-\frac{2}{3}x\right) &= -\frac{3}{2} \cdot 8 \\ x &= -12\end{aligned}$$

An equation that has two or more variables

$$2y + 6x = 12$$

Subtracting the same number from each side of an equation produces an equivalent equation.

$$\begin{aligned}x + 10 &= -12 \\ \underline{- 10} \quad \underline{- 10} \\ x &= -22\end{aligned}$$