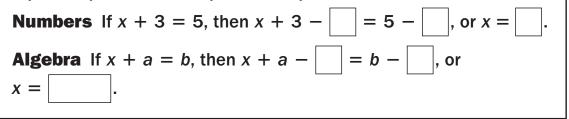


Goal: Solve equations using addition or subtraction.

Vocabulary	
Inverse operations:	
Equivalent equations:	

Subtraction Property of Equality

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



Example 1 Solving an Equation Using Subtraction

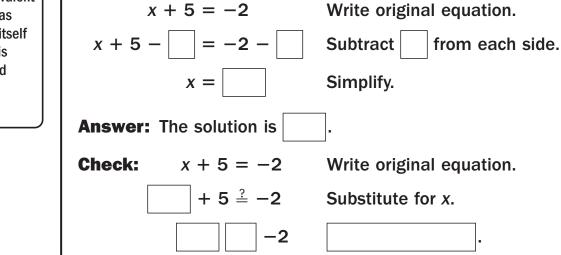
Solve x + 5 = -2.

Solution

Use the subtraction property of equality to solve for x.

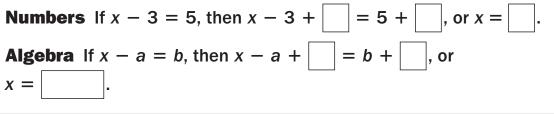
equation, your goal is to write an equivalent equation that has the variable by itself on one side. This process is called solving for the variable.

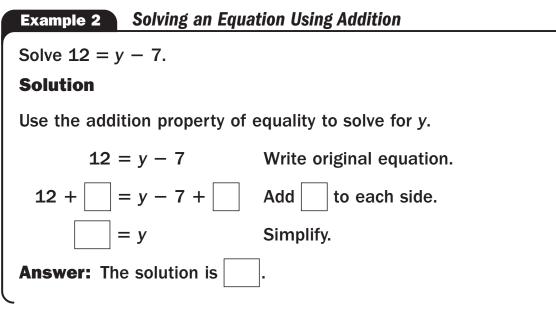
When you solve an



Addition Property of Equality

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





Checkpoint Solve the equation. Check your solution.

2. $-5 = y + 12$	3. $m - 3 = -11$
	2. $-5 = y + 12$