Lesson 6: Solutions of a Linear Equation

Classwork

Exercises

Find the value of that makes the equation true.

1. Write at least three equations that have no solution.

Lesson Summary

The distributive property is used to expand expressions. For example, the expression is rewritten as after the distributive property is applied.

The distributive property is used to simplify expressions. For example, the expression is rewritten as and after the distributive property is applied.

The distributive property is applied only to terms within a group:

Notice that the term is not part of the group and, therefore, not multiplied by

When an equation is transformed into an untrue sentence, such as , we say the equation has no solution.

Problem Set

Transform the equation if necessary, and then solve it to find the value of that makes the equation true.