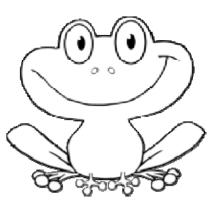
Solving Linear Equations and Inequalities in One Variable - Step-by-Step Lesson

Solve for z.

14z - 7z - 3 = 4



## **Explanation:**

We have like terms, or terms that have the same variables raised to the same powers. To subtract like terms, subtract their coefficients.

14z - 7z - 3 = 4 Combine the z terms.

7z - 3 = 4

Use inverse operations to isolate the variable. Add 3 to both sides:

7z - 3 + 3 = 4 + 3 7z = 7 Z =  $\frac{7}{7}$  divide by 7 to solve for z Z = 1 The answer is 1.

