Linear Equations in One Variable- Step-by-Step Lesson

Lesson 1 Linear Equations:

- a) How many solutions does this equation have?
- 12 r 4 = 11 r
- a. no solution
- **b.** one solution
- c. infinitely many solutions



Explanation:

We know that if solving an equation yields a statement that is false, like 5=3, then the equation has no solution.

If we can produce an equation solving a statement that is true for a single value, like x=2, the equation will have one solution.

An equation statement that is always true, like 2=2, has many solutions.

12r - 4 = 11r-4 = -r4 = r

The statement 4 = r has a single value.

So, the equation has one solution.

