Solving Equations

There are just quite a few ways to solve equations. Basically, one of the first things to do is get all the like terms combined and be sure that you only divide by NUMBERS not variables!

Let’s look at some examples.

 There’s a real temptation to divide both sides by x

But that behavior is instant death gradewise. Instead add 4x to both sides and factor out the GCF.



Now when two multiplied numbers equal zero, one or the other is zero. So



So there are two answers. And if you divided by x, you divided by zero!

Here’s another one



And another



(.25x+2)(.25x-2)=0

x = 8, −8

And a last one

