Solving linear equations

**2-step**

4x + 9 = -11

-9 -9

4x = -20

4 4

x = -4

**variables on both sides**

2x + 8 = 7x – 37

-8 -8

2x = 7x - 45

-7x -7x

-5x = -45

-5 -5

x = 9

**distributive property**

3(x – 5) = -9

3x – 15 = -9

+ 15 +15

3x = 6

3 3

x = 2