



# Linear Equations in Boxes



## Example 1

$$3x + 5 = 17$$

$$3x = 12$$

$$x = 4$$

## Example 2

$$5x - 3 = 27$$

$$5x = 30$$

$$x = 6$$

1

$$2x + 7 = 25$$

$$2x = 18$$

$$x = \boxed{9}$$

2

$$6x - 2 = 16$$

$$6x = 18$$

$$x = \boxed{3}$$

3

$$4x + 1 = 29$$

$$4x = \boxed{28}$$

$$x = \boxed{7}$$

4

$$7x + 6 = 48$$

$$\boxed{7x} = \boxed{42}$$

$$x = \boxed{6}$$

5

$$9x - 4 = 32$$

$$\boxed{9x} = \boxed{36}$$

$$x = \boxed{4}$$

6

$$5x - 10 = 5$$

$$\boxed{5x} = \boxed{15}$$

$$x = \boxed{3}$$

7

$$2x + 8 = 4$$

$$\boxed{2x} = \boxed{-4}$$

$$x = \boxed{-2}$$

8

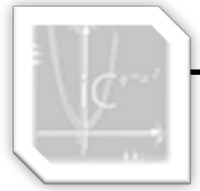
$$8x - 12 = -4$$

$$\boxed{8x} = \boxed{8}$$

$$x = \boxed{1}$$



# Linear Equations in Boxes



9

$$3x + 9 = 36$$

$$3x = 27$$

$$x = 9$$

10

$$5x - 5 = 30$$

$$5x = 35$$

$$x = 7$$

11

$$11x + 4 = 26$$

$$11x = 22$$

$$x = 2$$

12

$$7x - 1 = 48$$

$$7x = 49$$

$$x = 7$$

13

$$2x - 5 = -1$$

$$2x = 4$$

$$x = 2$$

14

$$6x + 18 = 6$$

$$6x = -12$$

$$x = -2$$

15

$$4x + 7 = -9$$

$$4x = -16$$

$$x = -4$$

16

$$10x - 2 = -12$$

$$10x = -10$$

$$x = -1$$

17

$$2x - 4 = 1$$

$$2x = 5$$

$$x = 2.5$$

18

$$10x + 14 = 46$$

$$10x = 32$$

$$x = 3.2$$