Paprastųjų lygčių sprendimas

a) 10x+6 = 6x+6

10x-6x = 6-6

4x = 0 | :4

x = 0

b) 15-3x = 40+2x

-2x-3x = 40-15

-5x = 25| :(-5)

x = -5

c) 8+4x = 2x-10

4x-2x= -8-10

2x= -18| :2

x = -9

d) 4x-20 = 2x+12

4x-2x = 20+12

2x = 32 | :2

x = 16

e) 2x+ (x-4) = 10+4x

2x+ x -4 = 10 + 4x

2x - 4x + x = 10 + 4

-x = 14 |: (-1)

x = -14

f) 2x- (x-4) = 4x + 10

2x-x+4 = 4x + 10

2x-x-4x = 10 - 4

-3x = 6 | : (-3)

x = - 2

g) 5 -2(x-1) = 4-x

5 -2x +2 = 4 - x

-2x + x = 4 – 5 - 2

-x = -3| : (-1)

x = 3

h) 11(5-2y) = 3(y+7)

55 - 22y = 3y + 21

-22y-3y =21 - 55

-25y = -34 | : (-25)

y = 1,36

i) 9 - 5(x+1) = 4 - 3(x+2)

9 - 5x -5 = 4 -3x - 6

-5x +3x = 4 -9 -6 +5

-2x = -6 |: (-2)

x = 3

j) 4x+(x-2) = 13

4x + x – 2 = 13

4x +x = 13 + 2

5x = 15 | :5

x = 3