Equations du type $ax + b = c$

CORRECTION

1) Résoudre les équations suivantes

a) 3x + 2 = 17 3x = 15 x = 5	b) 4x + 7 = 15 4x = 8 x = 2	c) 7x + 12 = 47 7x = 35 x = 5	d) 8x + 16 = 40 8x = 24 x = 3
e) 6a – 17 = 19 6a = 36 a = 6	f) 3y – 13 = 20 3y = 33 y = 11	g) 5b – 26 = 9 5b = 35 b = 7	h) 2x – 14 = 36 2x = 50 x = 25
i) 9y + 5 = 86 9y = 81 y = 9	j) 10x – 50 = 490 10x = 540 x = 54	k) 100c + 200 = 500 100c = 300 c = 3	l) 50x – 20 = 1 480 50x = 1 500 x = 30

2) Même exercice :

a) -4x = 48 x = -12	b) 5x = -20 x = -4	c) -3x = -21 x = 7	d) -7x = 56 x = -8
e) 7y = -35 y = -5	f) -9d = -36 d = 4	g) 2p = -28 p = -14	h) -9a = 72 a = -8
i) -10b = 12 b = -1,2	j) 25x = -75 x = -3	k) 10x = -789 x = -78,9	l) -13x = -65 x = 5

3) Même exercice :

a) -7x + 4 = 32 -7x = 28 x = -4	b) -4x – 7 = 53 -4x = 60 x = -15	c) 8x + 13 = -27 8x = -40 x = -5	d) -2x + 12 = -5 -2x = -17 x = 8,5
e) 10x – 13 = -73 10x = -60 x = -6	f) 100x – 50 = 50 100x = 100 x = 1	g) -2x – 54 = -100 -2x = -46 x = 23	h) -6x - 18 = -12 -6x = 6 x = -1