

Exercice 1

1.

a) $x - 14 = 32$	b) $x - 87 = -143$
c) $x + \frac{5}{7} = -\frac{1}{7}$	d) $-312 + x = -24$

2.

a) $-11x = -132$

b) $-\frac{x}{2} = 18$

c) $15x = 105$

d) $\frac{8}{5}x = \frac{5}{8}$

3.

a) $8x - 4 = 28$	b) $8 - 2x = 15$
c) $-3 + \frac{3x}{2} = 6$	d) $6x - 3,5 = 32,2$

4.

a) $2x = 7 + x$	b) $\frac{2}{3}x = 2 - \frac{4}{3}x$
d) $-\frac{x}{4} = 3 + \frac{x}{2}$	e) $9,2x = 8 + 3,2x$

Exercice 2

1.

a) $x = 8 - 3x + 2x - x$	b) $-5 + x - 9 = 2x - 7$
c) $7x + 8 + x = 0$	d) $7 + x = 4x - 5 - x - 2$

e) $\frac{9}{2}x - \frac{x}{3} - \frac{1}{6} = 0$

f) $-\frac{5}{9}x - 5 = \frac{3}{2} - \frac{x}{2}$

2.

a) $5(2 + 3x) = 1 - 7x + 3$

b) $-3(2x - 3) - 5 = 2(x + 3) + 6$

c) $4 - (x + 2) - 2x = 3 - x + 5$

d) $2(3 + 5x) + 6 = 2 - 4(2 - 3x)$

e) $8\left(3x - \frac{3}{4}\right) + 2(-3 + x) = 7 - x$

f) $-\left(\frac{2}{3} - x\right) + \frac{3}{4} = \frac{x}{4} - 3$