

## Exercises — Linear equations

Solve the following equations:

1.  $x + 5 = 9$

2.  $4 = b - 12$

3.  $x - 3.45 = 2.67$

4.  $4y - 8 = 10$

5.  $-3x - \frac{5}{6} = \frac{x}{3}$

6.  $\frac{2z}{3} - 5 = 3z$

7.  $\frac{x+2.3}{3.2} = 4.5$

8.  $4x - 8 = 7x + 3$

9.  $3(y - 3) + (y - 3) = (y - 3)$

10.  $3(t - 7) = 2 - 10t$

11.  $2(4x - 5) + 3x = 5(x - 1)$

12.  $7(3x - 5) + 3(x - 1) = 0$

13.  $\frac{x+3}{4} + \frac{x}{6} = 5$

14.  $\frac{2R-1}{6} - \frac{3R-4}{3} = \frac{3}{4}$

15.  $\frac{2x+4}{3} - \frac{x-1}{2} = 1 - \frac{x}{6}$

16.  $\frac{7(3x-5)+3(x-1)}{3} = 1 - \frac{x}{6}$

17.  $\frac{x+4}{3} + \frac{x}{2} = 3(3 - 2x)$

18.  $\frac{2(4x-5)+3x}{4} - \frac{4x-5}{3} + 3x = 5(x-1)$