

## Exercises – Solving polynomial equations

1.  $x^2 - x - 2 = 0$

2.  $x^4 + 2x^3 + x^2 = 0$

3.  $x^3 - x^2 - x + 1 = 0$

4.  $3x^3 + 5x^2 + 2x = 0$

5.  $16x^4 - 1 = 0$

6.  $x^5 - 2x^4 - x^3 + 2x^2 + x - 2 = 0$

7.  $x^4 - x^3 + 5x^2 - 5x = 0$

8.  $8x^4 + 10x^2 - 3 = 0$

9.  $x^4 - 2x^3 + 2x^2 - 2x + 1 = 0$

10.  $x^4 + 13x^2 + 36 = 0$

11.  $4x^4 - 25x^2 + 36 = 0$