1 Polynomials

1. 1
2. x^2
3. $x^2 y$
4. $\frac{x^2}{y}$
5. $x + y + z$
6. $\sqrt{x}$
7. $\sqrt{17} x^8$
8. $\sqrt{5} x + 7 y^{\frac{1}{3}}$
9. π^e
10. $\frac{x^2 + 3x + 5}{x^2 - 1}$

2 Add, Subtract, Multiply

1. $(4x^2 + 3x + 2) + (x^5 + 10x^3 + 1)$
2. $x^{2017} + x^1 + 27 + 2017x + 1 + 27$
3. $x^{2017} - x^1 + 27 + 2017x - 1 - 27$
4. $(x^{2017} - x^1 + 27) * (2017x - 1 - 27)$
5. $(x^2 + 3x + 4) - (4x^2 - 3x - 2)$
6. $(x^2 - 1) - (9x - 3)$
7. $(x + 1) * (x + 1)$
8. $(x + 1) * (x + 1) * (x + 1)$
9. $(x + 1) * (x + 1) * (x + 1) * (x + 1)$
10. $(x + 1) + (x + 1) + (x + 1) + (x + 1) + (x + 1)$
11. $(x + y + z) * (x + y + z)$

3 Roots of Polynomials

1. $x^2 + 2x + 1$
2. x^2
3. $x^2 + 1$
4. $4x^2 + 8 + 4$