

## Homework — Adding and multiplying polynomials

1.  $(6x^2 - x^4 + x^3) + (x^5 - 7x^2 - x)$
2.  $(x^2 - 2x + 85) + (x^2 - (x^2 - x))$
3.  $(x^2 + x + 14) - (x^2 - (2x^2 + 8x))$
4.  $(x^5 + x + 14) - (x^3 - 2(x^2 + 2x))$
5.  $(x^5 + x + 14)(x^3 - 2(x^2 + 2x))$
6.  $(x^2 + x)(x^2 - 2)$
7.  $-(x^2 + 2)(y^3 - 1)$
8.  $-x(x^2 + 5)(x^3 - 2)$
9.  $(x^3 + 3)(y^2 + 5y)(x^3 - 2)$
10.  $(x^3 + x + 2)((y^8 + 1)(y^4 + 1))$