

# Synthetic Division

Use synthetic division to divide the polynomials.

1.  $(16 - 8x - 7x^2 + 2x^3) \div (x - 4)$

2.  $(2x^2 + 3 + 5x) \div (x + 1)$

3.  $(3x + x^2 - 18) \div (x + 3)$

4.  $(2x^2 - 4x + 3) \div (x - 3)$

5.  $(x - x^2 + 8 + x^3) \div (x - 1)$

6.  $(-x^2 + 2x - 4 + 3x^3) \div (x - 2)$