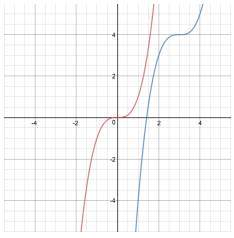1) $x^4 – x^3 + x$; quartic trinomial
2) $12x^2 + 3$; quadratic binomial
3) $2x^3 + 6x^2$; cubic binomial
4) $15x^5 – 3x^3 – 3x$; quintic trinomial
5) $x^3 + 5x^2 – 4x – 3$; cubic polynomial with four terms
6) $-3x^3 – 3x^2 – x + 1$; cubic polynomial with four terms
7) $y = x^3 + 1$; (4, 65)
8) $y= 1.5x^3 + x^2 – x + 1$; (4, 105)
9) ↓↑
10) ↓↓
11) ↑↓
12) ↑↑
13) Even; Positive
14) Odd; Positive
15) Even; Negative
16) Odd; Negative
17) See below
    a. ↑↑
    b. (-1, 0)
    c. (0, 0)
    d. (-∞,∞)
    e. Even
18) See below
    a. ↑↓
    b. (3, 0)
    c. (0, 0)
    d. (-∞,∞)
    e. Odd
19) See below
    a. ↓↑
    b. Vertical shift down 3
    c. (0, -3)
    d. (-∞,∞)
    e. Odd
    f. Horizontally compressed by a factor of 1/2
20)