

Polynomial Sketching

Sketch the following curves:

1. $y = x(2x + 7)^2$.

2. $y = -x(2x - 1)(x + 7)$.

3. $y = (x - 1)(x + 2)(x + 6)$.

4. $y = -(2x + 1)^2(x - 3)$.

5. $y = -(2x - 1)^2(x - 3)^2$.

6. $y = (3x + 2)^3(x - 1)(x - 3)$.