

## D Michaelmas 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.  $y = (3x + 2)^3(x - 1)(x - 3)$ .