

EXERCISE 2E

Sketch the following curves, marking clearly the values of x and y where they cross the co-ordinate axes.

1 $y = x(x - 3)(x + 4)$

2 $y = (x + 1)(2x - 5)(x - 4)$

3 $y = (5 - x)(x - 1)(x + 3)$

4 $y = x^2(x - 3)$

5 $y = (x + 1)^2(2 - x)$

6 $y = (3x - 4)(4x - 3)^2$

7 $y = (x + 2)^2(x - 4)^2$

8 $y = (x - 3)^2(4 + x)^2$

9 Suggest an equation for this curve.