

Solutions

Each answer shows the steps, then the **result**.

2.1

- $a(x - 2)(x - 6)$

2.2

- one additional point that the graph passes through

2.3

- $(0 - 1)(0 - 5) = (-1)(-5) = 5$

3.1 A

3.2 B

3.3

(a)

- $a(3 - 1)(3 - 5) = -4$, i.e. $-4a = -4$

(b)

- $a = 1$

(c)

- $f(x) = (x - 1)(x - 5)$