Essential Skills 20
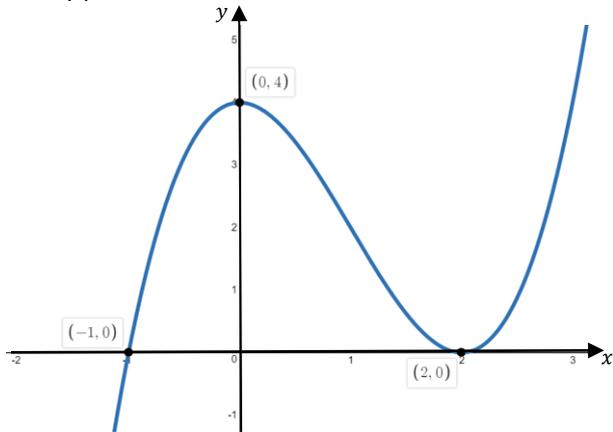
The skills in this series of worksheets appear frequently.

These are the GIFTS you must take to succeed.

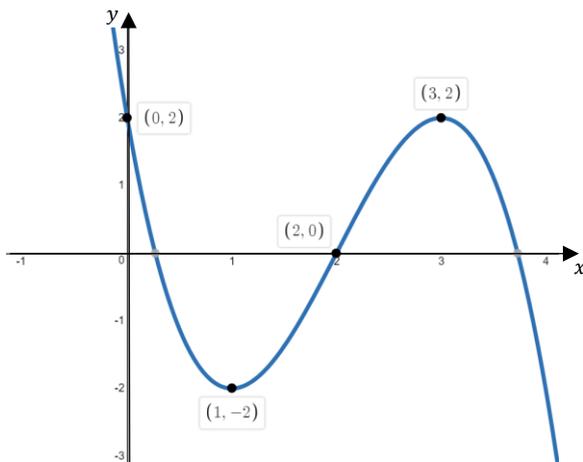Related Graphs (Non Calculator)

1. The diagram below shows the graph of y = f(x). Sketch the graph of each the following on separate diagrams, indicating all key points:

(a)   y = f(x) - 4

(b)   y = f(x - 2)

(c)   y = f(-x)

(d)   y = 3 − f(x)

(e)   y = f(2x)

2. The diagram below shows the graph of y = g(x). Sketch the graph of each the following on separate diagrams, indicating all key points:

(a)   y = g(x + 3)

(b)   y = g(x) + 3

(c)   y = g(-x) - 1

(d)   y = -2g(x)

(e)   y = g($\frac{1}{3}x$)

APPLYING QUESTION

The diagram below shows the graph of y = 3 − h(x + 1). Sketch the graph of h(x), indicating all key points.