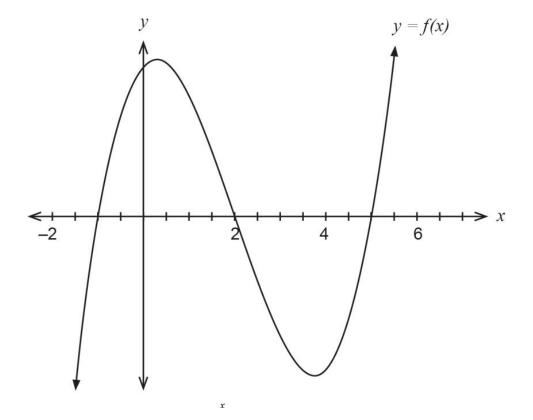
Question 5 (6 marks)

Consider the graph of y = f(x) which is drawn below.



Let A(x) be defined by the integral $A(x) = \int_{-1}^{x} f(t) dt$ for $-1 \le x \le 6$.

It is known that A(2) = 15, A(5) = 0 and A(6) = 8.

Sketch on the axes below the function A(x) for $-1 \le x \le 6$ labelling clearly key features such as x intercepts, turning points and inflection points if any.

