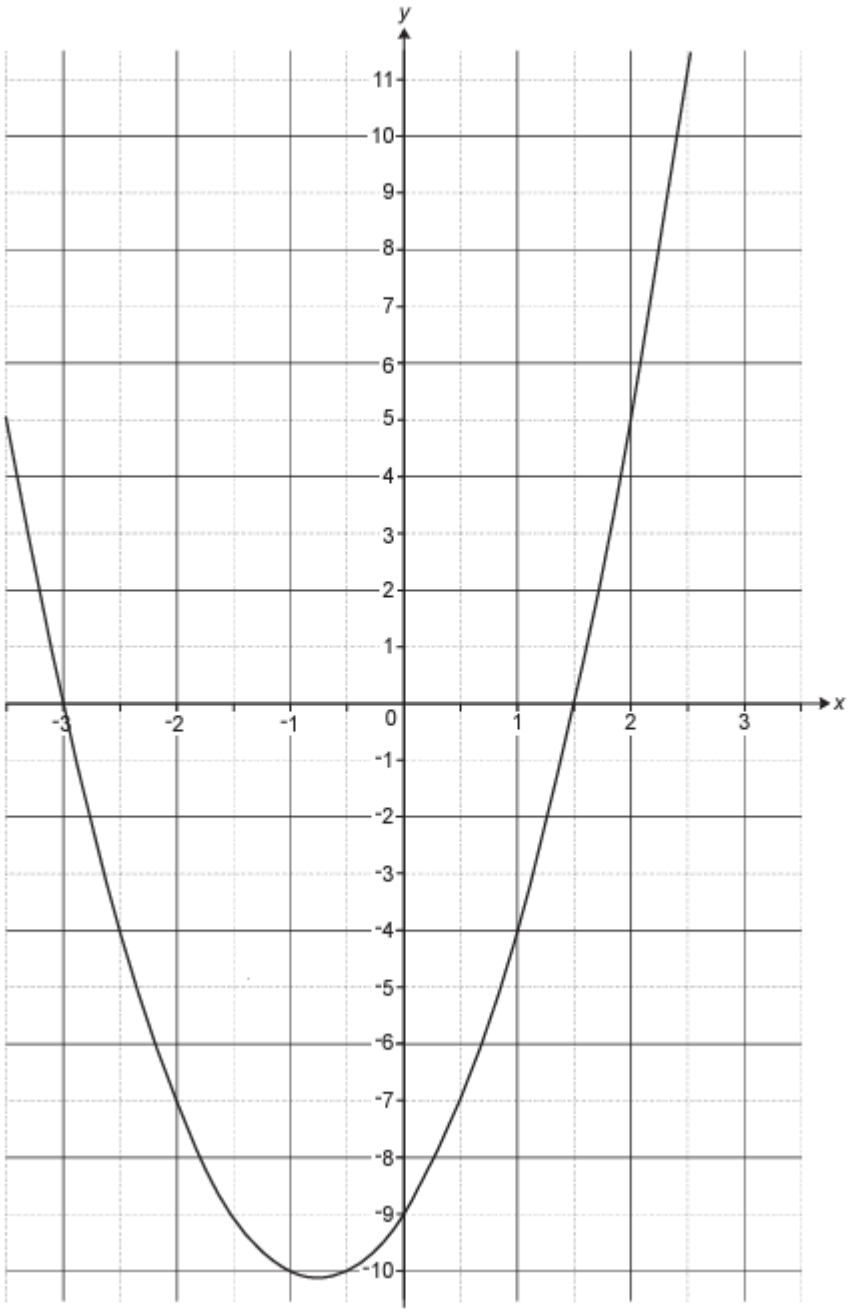
19 The graph of $y = 2x^2 + 3x - 9$ is drawn below.



(a) Use the graph to solve $2x^2 + 3x - 9 = 0$.

(a) $x =$ ..... or $x =$ ..... **[2]**

(b) The equation $2x^2 + x - 4 = 0$ can be solved by finding the intersection of the graph of $y = 2x^2 + 3x - 9$ and the line $y = ax + b$.

(i) Find the value of a and the value of b.

(b)(i) $a =$ .....

$b =$ ..... **[2]**

(ii) Hence **use the graph** to solve the equation $2x^2 + x - 4 = 0$.

(ii) $x =$ ..... or $x =$ ..... **[3]**