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

$y = (-1)^2 - 2$
$= 1 - 2$
$= -1$

$y = 1^2 - 2$
$= 1 - 2$
$= -1$

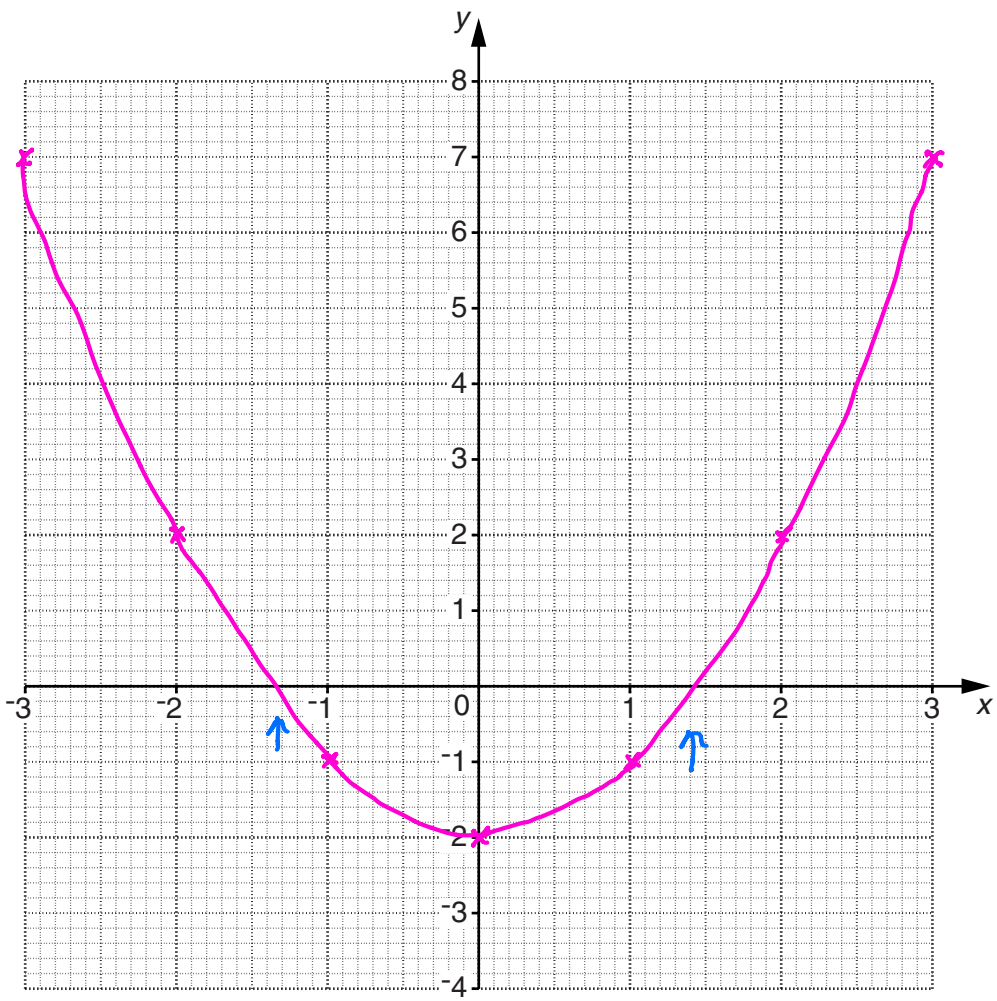
$y = 2^2 - 2$
$= 4 - 2$
$= 2$

4 **(a)** Complete the table for $y = x^2 - 2$.

x	-3	-2	-1	0	1	2	3
y	7	2	-1	-2	-1	2	7

[2]

(b) Draw the graph of $y = x^2 - 2$.



[2]

(c) Use your graph to solve the equation $x^2 - 2 = 0$.

(c) $x =$ 1.4 and $x =$ -1.4 **[2]**

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$y = (-2)^2 - 3(-2)$
$= 4 + 6$
$= 10$

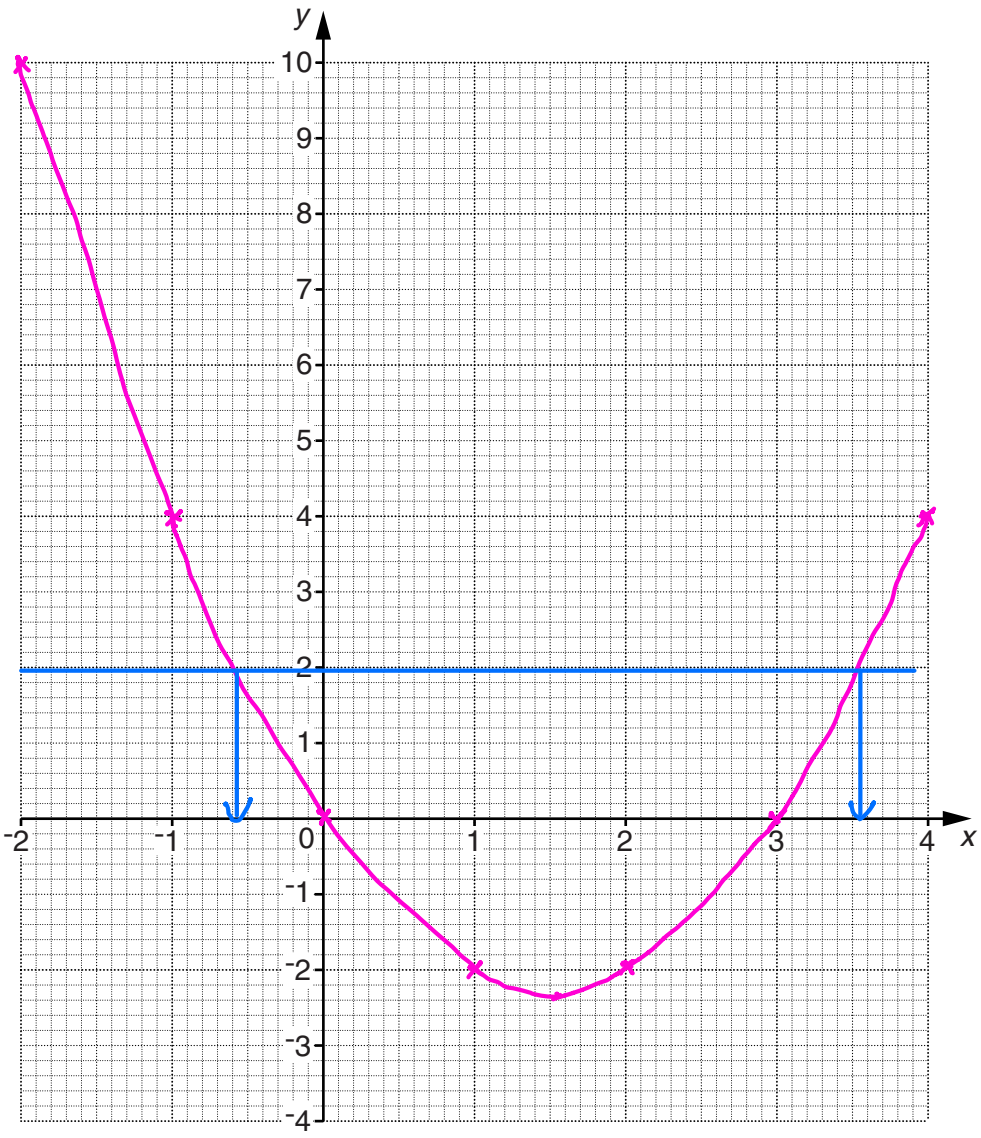
$y = 2^2 - 3(2)$
$= 4 - 6$
$= -2$

9 **(a)** Complete this table for $y = x^2 - 3x$.

x	-2	-1	0	1	2	3	4
y	10	4	0	-2	-2	0	4

[2]

(b) On the grid draw the graph of $y = x^2 - 3x$.



[2]

(c) Use your graph to solve the equation $x^2 - 3x = 2$.

(c) $x =$ -0.6 or $x =$ 3.55 **[2]**

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