

Math Worksheet: Graphs of Functions (3)

Given the quadratic function

$$g(x) = -x^2 + x + 2$$

1. Find the vertex of the graph g .

$$\left(\frac{1}{2}, \frac{9}{4}\right)$$

2. Find the x and y intercepts of the graph of g .

$$\text{x-intercepts: } (2, 0) \text{ and } (-1, 0); \text{ y-intercept: } (0, 2)$$

3. Sketch the graph of g .

x	$g(x)$
-2	-4
-1	0
0	2
2	0
3	-4

