

$$f(x) = -\frac{1}{2} x - 3^2 + 5$$

Vertex: 3, 5

Axis of Symmetry: $x = 3$

Direction: **down**

Root(s): **-1 → 0, 6 → 7**

x	y
0	1/2
1	3
2	9/2
3	5
4	9/2
5	3
6	1/2

