Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**f(x) = x2 – 2x – 3**

a:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ b:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ c:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Axis of symmetry: $x=\frac{-b}{2a}$

Vertex:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| x | -2 | -1 | 0 | 1 | 2 | 3 | 4 |
| f(x) |  |  |  |  |  |  |  |



**f(x) = x2 + 4x**

a:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ b:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ c:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Axis of symmetry: $$

Vertex:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| x | -5 | -4 | -3 | -2 | -1 | 0 | 1 |
| f(x) |  |  |  |  |  |  |  |



**f(x) = x2 + 2x - 7**

Axis of symmetry: $$

Vertex:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| x | -5 | -4 | -3 | -2 | -1 | 0 | 1 |
| f(x) |  |  |  |  |  |  |  |



**f(x) = x2 + 6x + 1**

Axis of symmetry: $$

Vertex:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| x |  |  |  | -3 |  |  |  |
| f(x) |  |  |  |  |  |  |  |



**f(x) = x2 - 5**

Axis of symmetry: $$

Vertex:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| x |  |  |  |  |  |  |  |
| f(x) |  |  |  |  |  |  |  |



**f(x) = 2x2 – 4x - 5**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| x |  |  |  |  |  |  |  |
| f(x) |  |  |  |  |  |  |  |

