QUADRATIC FUNCTIONS

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| Standard Form: | Ax2 + Bx + C = y  Ex: 2x2 + 3x + 4 = y or -3x2 - 5x - 1 = y  A= B= C= A= B= C=   |  |  | | --- | --- | | **A.** | A > 0  Vertex: maximum or minimum  Vertex: ( , )  Minimum = \_\_\_\_\_\_\_\_\_ | | **B.** | A < 0  Vertex: maximum or minimum  Vertex: ( , )  Maximum = \_\_\_\_\_\_\_\_\_ |  |  |  | | --- | --- | | **A.** | Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | **B.** | Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| A > 0 or A < 0  Vertex: minimum or maximum  Vertex: ( , )  Minimum/Maximum = \_\_\_\_\_\_\_\_\_  Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_  Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| A > 0 or A < 0  Vertex: minimum or maximum  Vertex: ( , )  Minimum/Maximum = \_\_\_\_\_\_\_\_\_  Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_  Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| A > 0 or A < 0  Vertex: minimum or maximum  Vertex: ( , )  Minimum/Maximum = \_\_\_\_\_\_\_\_\_  Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_  Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| A > 0 or A < 0  Vertex: minimum or maximum  Vertex: ( , )  Minimum/Maximum = \_\_\_\_\_\_\_\_\_  Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_  Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| A > 0 or A < 0  Vertex: minimum or maximum  Vertex: ( , )  Minimum/Maximum = \_\_\_\_\_\_\_\_\_  Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_  Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
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