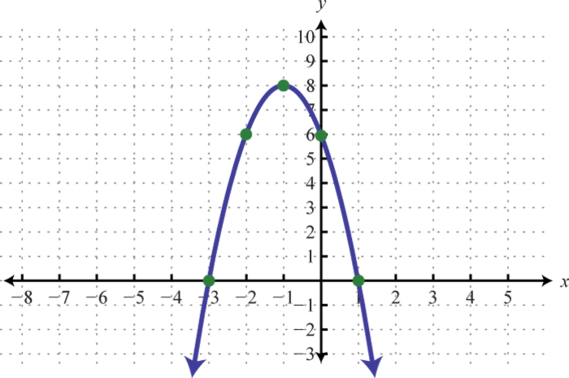
Algebra 1 Name:

Unit 11 – Day 7 – Quiz 2 Review

1) Identify the characteristics of the graph shown below.



|  |  |  |  |
| --- | --- | --- | --- |
| a) | b) | c) | d) |
| e) | f) | g) | h) |
| i) and | j) | k) and | l) |

|  |  |  |
| --- | --- | --- |
| Vertex: \_\_\_\_\_ | Axis of Sym: \_\_\_\_\_ | Domain: \_\_\_\_\_ |
| Range: \_\_\_\_\_ | Y-Intercept: \_\_\_\_\_ | X-Intercept(s): \_\_\_\_\_ |
| Zeroes: \_\_\_\_\_ | Extrema: max or min | Max/min Value: \_\_\_\_\_ |
| Positive: \_\_\_\_\_ | Negative: \_\_\_\_\_ |  |
| Increasing: \_\_\_\_\_ | Decreasing: \_\_\_\_\_ |  |

2) Convert the following to standard form.

3) Find the vertex of each of the following:

4) Identify whether each of the following have a maximum or a minimum by looking at the equation.

5) For each characteristic below, state whether quadratics always have them or sometimes have them.

Y-Intercept:

Maximum:

Mimimum:

X-Intercept:

Increasing Part:

Decreasing Part:

Extrema: