**QUIZ Chapter 3 Part I**

1. Consider the quadratic function $y =x^{2}-2x-3$ and fill in the blanks:

Coefficients: *a* =  *b* = *c* =

direction of opening: *y* – intercept:

coordinates of the vertex (show your work):

Table of values (with distinct values for both *x* and *y*):

|  |  |  |  |
| --- | --- | --- | --- |
|  *x* |  |  |  |
| *y* |  |  |  |

Domain: Range:

Graph:



1. Consider the quadratic function $y =-2x^{2}-8x-3$ and fill in the blanks:

Coefficients: *a* =  *b* = *c* =

direction of opening: *y* – intercept:

coordinates of the vertex (show your work):

Domain: Range:

Graph $y =-2x^{2}-8x-3$ using your knowledge of $y=x^{2}$.
