

Section 2.1b – Non-Linear Equations – Proficiency Check

Graph the following. Use the table of values if necessary.

Include: Vertex, Axis of Symmetry, Domain, Range

EMERGING

1. $y = x^2 + 4$

x	y

Vertex:

Axis of Symmetry:

Domain:

Range:

PROFICIENT

2. $y = (x - 3)^2 - 4$

x	y

Vertex:

Axis of Symmetry:

Domain:

Range:

3. $y = 2(x + 4)^2 - 2$

Vertex:

Axis of Symmetry:

Domain:

Range:

x	y

EXTENDING

4. $y = -\frac{1}{2}(x + 6)^2 + 4$

Vertex:

Axis of Symmetry:

Domain:

Range:

x	y