SM2—7.1-7.4 review odd answers

1. Form: factored

Direction of Opening: down

    Is the vertex a maximum or a minimum? max
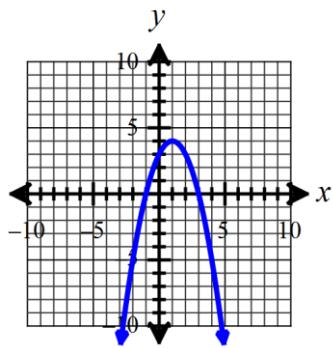
Vertex: (1, 4)

    Axis of Symmetry: $x = 1$

    Zeros: 3, -1

x-intercepts: (3, 0), (-1, 0)

    y-intercept: (0, 3)

x	y
-1	0
0	3
1	4
2	3
3	0

3. Form: vertex

Direction of Opening: up

    Is the vertex a maximum or a minimum? min
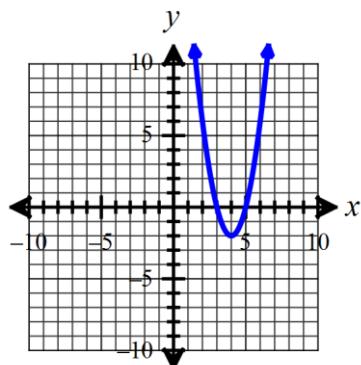
Vertex: (4, -2)

    Axis of Symmetry: $x = 4$

    Zeros: 5, 3

x-intercepts: (3, 0), (5, 0)

    y-intercept: (0, 30)

x	y
2	6
3	0
4	-2
5	0
6	6

5. From: standard

Direction of Opening: up

    Is the vertex a maximum or a minimum? min
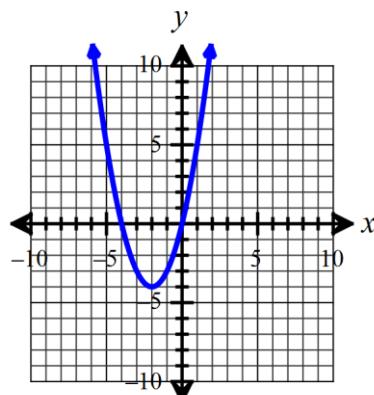
Vertex: (-2,- 4)

    Axis of Symmetry: $x = -2$

    Zeros: 0, -4

x-intercepts: $(0, 0), (-4, 0)$

    y-intercept: (0, 0)

x	y
-4	0
-3	-3
-2	-4
-1	-3
0	0