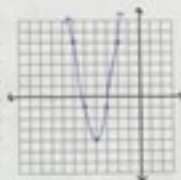


*Graph the following. Solve for the vertex and at least four additional coordinates to fill in the table of values.

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

Vertex	
<u>-4</u>	<u>-2</u>

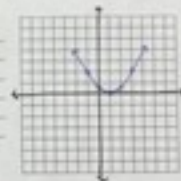
x	y
-6	6
-5	2
-4	-2
-3	-2
-2	6



2. $f(x) = \frac{1}{2}(x - 1)^2$

Vertex	
<u>1</u>	<u>0</u>

x	y
-1	2
0	1/2
1	0
2	1/2
3	2



3. $g(x) = -\frac{1}{2}(x + 3)^2 - 4$

Vertex	
<u>-3</u>	<u>-4</u>

x	y
-5	-9
-4	-4.5
-3	-4
-2	-4.5
-1	-9

