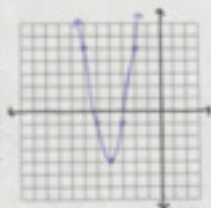


*Graph the following. Solve for the vertex and at least four additional coordinates to fill in the table of values.

1. $y = 2(x + 4)^2 - 5$

Vertex
<u>(-4, -5)</u>

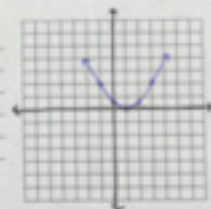
x	y
-6	5
-5	-1
-4	-5
-3	-1
-2	5



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

Vertex
<u>(1, 0)</u>

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



3. $g(x) = -\frac{1}{2}(x + 3)^2 - 6$

Vertex
<u>(-3, -6)</u>

x	y
-5	-9
-4	-6.75
-3	-6
-2	-6.75
-1	-9

