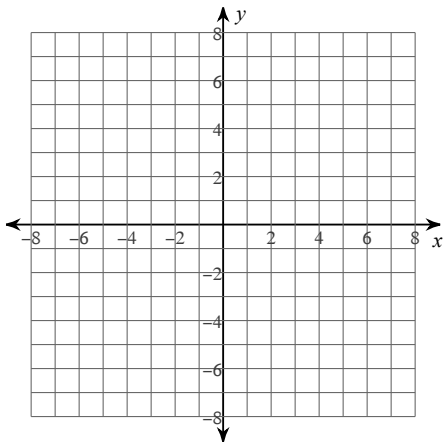


## Graphing in Vertex Form

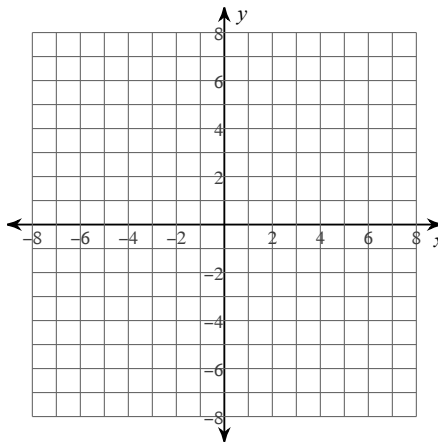
Date \_\_\_\_\_ Period \_\_\_\_\_

Identify the vertex and axis of symmetry of each, then sketch the graph. **HINT: USE YOUR NOTES FROM LAST CLASS! Look at the notes posted online if you need.**

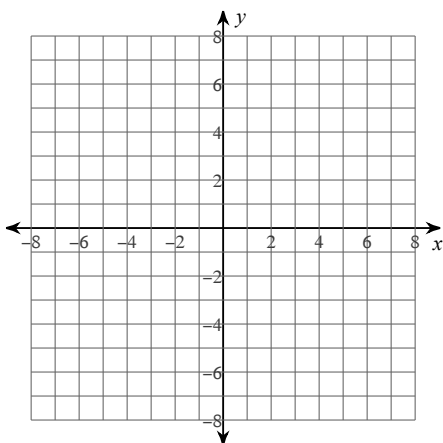
1)  $f(x) = -2(x - 2)^2 - 5$



2)  $f(x) = -(x + 1)^2 - 6$



3)  $f(x) = (x + 5)^2 + 2$



4)  $f(x) = (x - 6)^2 - 1$

