2. [10 points]
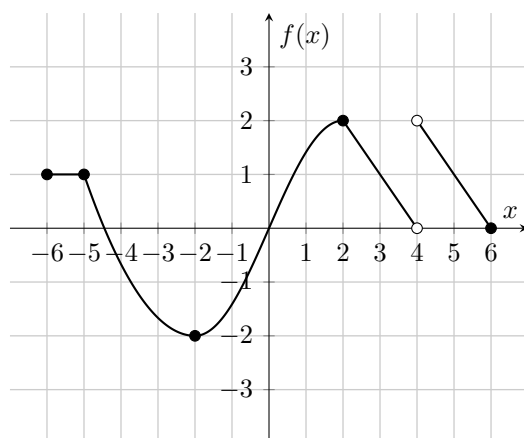

Sketch the antiderivative $F(x)$ to the function $f(x)$ graphed above, such that $F(2) = -1$. The function $f(x)$ is **odd** on $[-2, 2]$. Make sure to clearly label the input and output values at $x = -2, 2, 5$, and 6. Be sure to make it clear where the graph is concave up, concave down, or linear, and where it is increasing or decreasing.