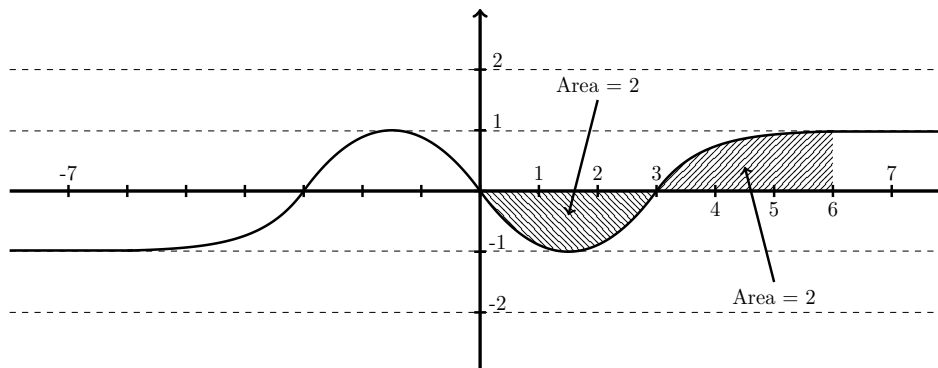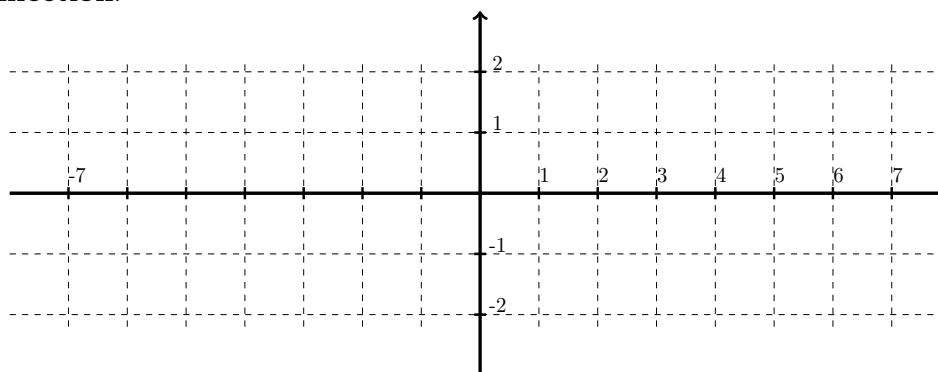**2**. [17 points]
The graph of an odd function f is shown below.

a. [7 points] Let $F(x)$ be the antiderivative of $f(x)$ with the property that $F(3) = -2$. Use the graph of $f(x)$ to compute the following values of $F(x)$.

x	-7	-6	-3	0	3	6	7
$F(x)$							

b. [8 points] Sketch the graph of $F(x)$ from $x = -7$ to $x = 7$. **Label all points of inflection**.

c. [2 points] Calculate the average value of f between $x = -3$ and $x = 7$.