- 3. [6 points] On the axes below, sketch the graph of a **single** function y = f(x) with all of the following properties:
 - f(x) has its vertical intercept at y = 4,
 - the average rate of change of f between x = -2 and x = 0 is 0,
 - f(x) is concave down and increasing on the interval -4 < x < -1,
 - f(x) has a constant rate of change on 0 < x < 2 with slope $-\frac{5}{2}$,
 - the domain of f(x) is $-5 < x \le 5$,
 - the range of f(x) is $-4 \le f(x) \le 5$.

