- 7. [8 points] On the axes provided below, sketch the graph of one function y = g(z) satisfying <u>all</u> of the following:
 - The domain of g(z) is the interval (-10, 10).
 - The range of g(z) includes the number 5.
 - g(0) = -4 and g(-7) = 0
 - g(z) has exactly one zero.
 - g(z) is increasing and concave down for -10 < z < -5.
 - g(z) is decreasing for -5 < z < 0.
 - g(z) has a constant average rate of change for 5 < z < 10.

Please make sure that your sketch is large, well-labeled, and unambiguous.

