1. Give the domain and range of the following functions:
   
   (a) \( f(x) = (x + 1) \)
   
   (b) \( g(x) = (\sqrt{x + 1})^2 \)
   
   (c) \( h(x) = \frac{x^2 - 1}{x - 1} \)

   Are these functions the same function? Why or why not?

2. Draw a graph of a function on the interval \([-5,5]\] which is increasing and negative throughout the interval but changes concavity somewhere in the interval.

3. Let \( f(x) \) be an even function, \( g(x) \) be an odd function, and \( h(x) \) be a periodic function with period=4.

   (a) Suppose \( f(2) = 5 \), what is \( f(-2) \)?

   (b) Suppose \( g(2) = 5 \), what is \( g(-2) \)?

   (c) Suppose \( h(2) = 5 \), what is \( h(-2) \)?