FUNCTIONS

A. Identify the output set if the input set is x = {4,6,8,10,12}
   1. $y = x^6 + x^5 + x^2 - 14$
   2. f(x) = sqrt(12x)
   3. f(x) = sin(x+1)

B. Identify the domain for the following functions.
   1. y = 7x + 2
   2. $y = 6x^2 + 3$
   3. $y = \frac{1}{2} x^2 - 2x + 6$

C. What is the range for the following functions?
   1. f(x) = sqrt(5x+1)
   2. f(x) = tan(x)
   3. f(x) = -5

ANSWERS: