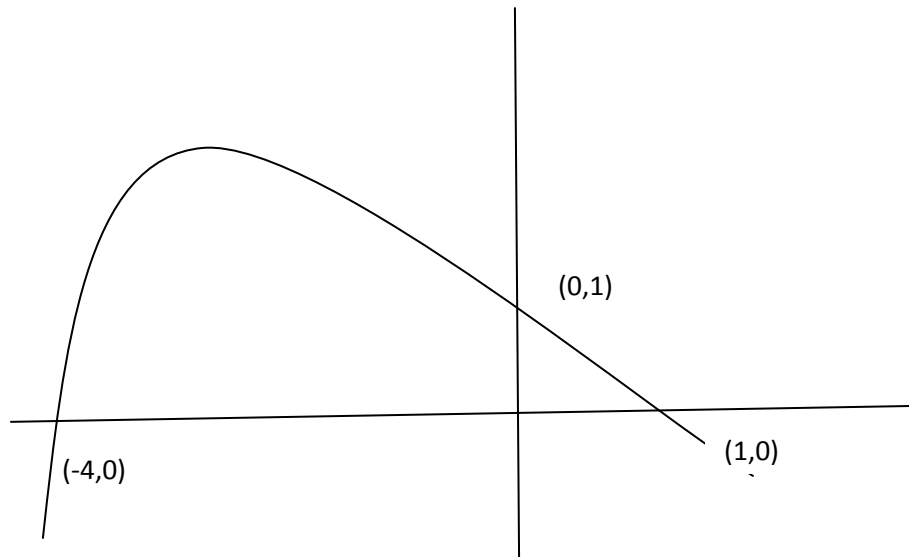


ECO137 Quiz

Quiz 2 Given the graph below, (1) derive the function, (2) find the coordinate for the maximum point (x,y).



Quiz 3 $K = 100$, $r = 0.1$.

- (1) How much money will you have after 10 years if the interest is
(a) annual compounding, (b) quarterly compounding, (c) continuously compounding.
- (2) What is the doubling time if the interest is continuously compounded?

Quiz 4 $f(x) = \sqrt{2x + 1}$

- (1) Draw the function
- (2) Find the inverse function
- (3) Draw the inverse function by switching x and y definitions
- (4) Find x and y values for the point where original and inverse functions are crossing.
- (5) Find the domain and range of the inverse function.