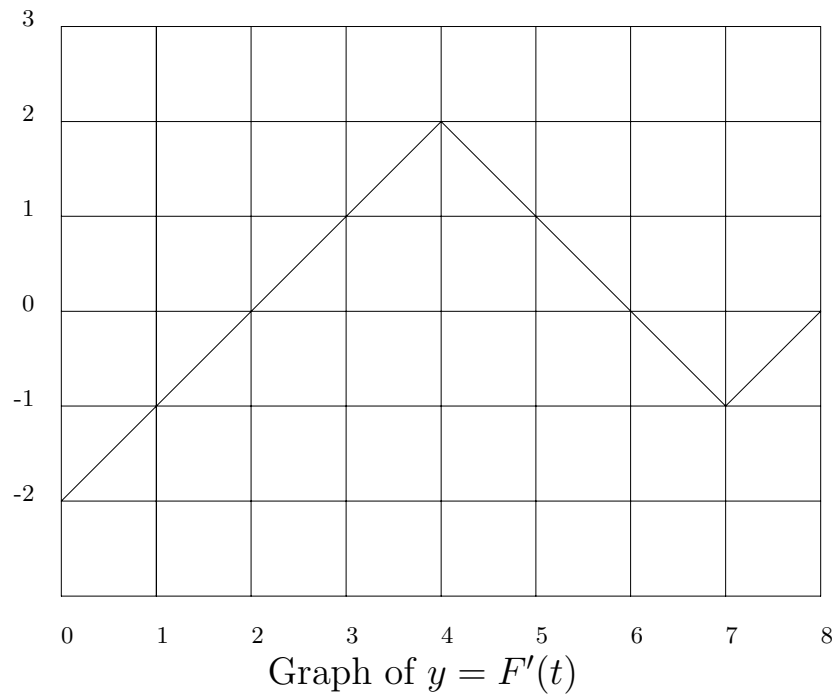


Mathematics 122 Quiz #17

Name: _____

1. The graph below is of the derivative of a function:



If we know that $F(0) = 3$ compute the following

(a) $F(2)$ $F(2) =$ _____

(b) $F(8)$ $F(8) =$ _____

(c) The maximum value of $F(t)$ Max.= _____

(d) The point where the maximum exists Max. at $t =$ _____

2. The rate of growth of a baby whale is given by $r(t) = 100(.9)^t$ lbs/week with t the time in weeks after its birth.

(a) What is the weight of the whale after 4 weeks? Weight= _____

(b) What is the weight change in the whale between the eighth week and the tenth week? Change= _____