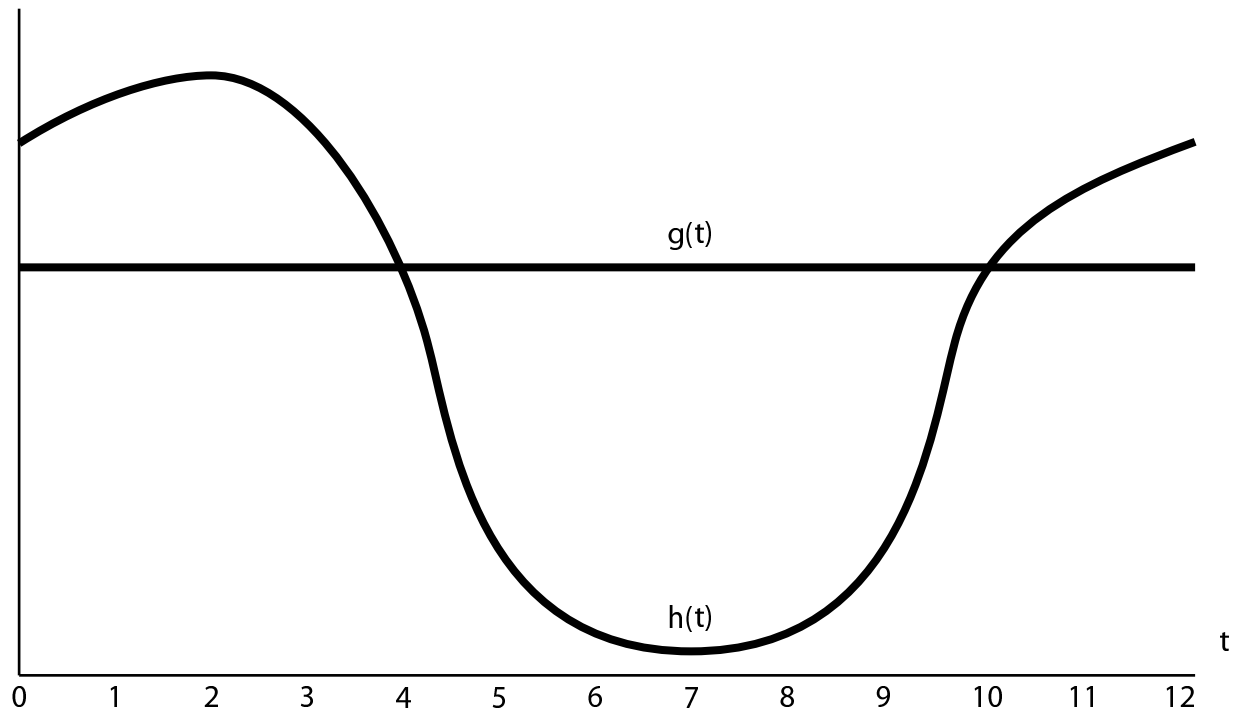


11. (8 pts) Many miles north of here, Yon Glacier is fed throughout the year by new snowfall. New snow arrives at a constant, steady rate. Snow melts off of the glacier at a rate which varies with the season. Below is a graph of the rates of snowfall and snowmelt, both functions of time t in months, where $t = 0$ corresponds to some unknown month (not necessarily January).



a) (2 pts) Is $g(t)$ the rate of snowfall or the rate of snowmelt?

b) (3 pts) What value of t is probably January?

c) (3 pts) At what value of t is Yon Glacier the smallest?