

## Math152 – Spring 2016 – In-class Group Assignment 9

For infants less than nine months old, the relationship between the rate of growth  $R$  (in pounds/month) and the present weight  $W$  (in pounds) is approximated by

$$R = cW(21 - W)$$

for some constant  $c$ .

- (a) At what weight is the growth rate the largest?
- (b) Why would this equation not be a good representation for weight gain for older children?