**Revenue**: A company sells a seasonal product. The revenue *R* (in dollars per year) generate by sales of the product can be modeled by:

*R* = 410.5t^(2)e^(-t/30) +25,000 0 < t < 365 where *t* represents the day

1. Find the average daily revenue during the first quarter which is given by 0 < *t* < 90
2. Find the average daily revenue during the fourth quarter which is given by 270 < *t* < 365
3. Find the total daily receipts during the year