

**AP Calculus AB**

**Friday, April 25, 2014**

**Page 61 in Be Prepared book provides a list of formulas**

$$G(t) \rightarrow \text{Rate}_{\text{tons/hr}} (\text{deriv})$$

$$(a) \quad G'(5) = -24.588 \frac{\text{tons}}{\text{hr}^2}$$

The rate @ which  
gravel arrives is

decreasing @  $24.588 \frac{\text{tons}}{\text{hr}^2}$

$$\int_0^8 G(t) dt = 825.551 \text{ tons}$$