

**2.2**

- (53)  $F(t)$  is the \_\_\_\_\_ from both restaurants at time  $t$
- (54)  $F(t)$  is the \_\_\_\_\_ currently alive per year
- (55)  $F(t)$  is the \_\_\_\_\_ of Nancy's IBM shares (shares,  $\frac{\$}{\text{share}}$ )
- (56)  $F(t)$  is the \_\_\_\_\_  $\left( \frac{\text{Total \$ Cost}}{\# \text{ of Products}} \right)$
- (58)  $F(t) = f(g(t))$  is the \_\_\_\_\_ at time  $t$

**2.3**

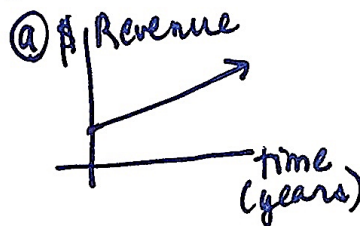
(17) (a)  $C(x) =$

(b)  $R(x) =$

(c)  $P(x) =$

(d)  $P(8000) =$   
 $P(12000) =$

(25)  $f(t) = 2.19t + 27.12$



(b)  $f(6) =$

(c) FIND SLOPE BETWEEN  
 $(0, 27.12)$  AND  $(5, 38.07)$

(27)  $P(x) = -\frac{1}{8}x^2 + 7x + 30$

$P(28) =$

in \$ Thousand

(29)  $f(t) = 2.25t^2 + 13.41t + 21.76$

(a)  $f(0) =$

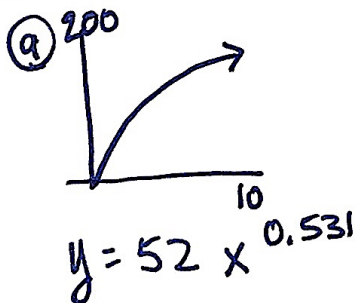
(b)  $f(4) =$

(35)  $f(t) = 0.004545t^3 - 0.1113t^2 + 1.385t + 11$

(a)  $f(0) =$

(b)  $f(22) =$

(39)  $N(t) = 52t^{0.531}$



(b)  $N(10) =$