3.43) a) Continued Frem previous attempt

4 ( ) xdx ( ) 1 dy = 4 ( ) ( ) ( ) = 3/64)

= .04/6875

3.37) a) Correction of Prev attempt f(1,1) + f(1,2) + f(1,3) = (c+2c+3c=6c) f(2,1) + f(2,2) + f(2,3) = 2c+4c+6c=12c) f(3,1) + f(3,2) + f(3,3) = 3c+6c+9c=18c)  $C = \frac{1}{3}6$ 

3.37

a) 
$$f(x,y) = cxy \Rightarrow 1 = \sum_{x=0}^{\infty} cxy = f(x,y) + f(x,y) + f(x,y) + f(x,y)$$

$$f(0,0) + f(0,1) + f(0,2) = 0$$

$$f(1,0) + f(1,1) + f(1,2) = 0 + 2e + 4e = 6e$$

$$f(3,0) + f(3,1) + f(3,x) = 0 + 3e + 6e = 9e$$

$$f(3,0) + f(3,1) + f(3,x) = 0 + 3e + 6e = 9e$$

$$f(3,0) + f(3,1) + f(3,x) = 0 + 3e + 6e = 9e$$

$$f(x,y) = 4xy$$

$$f(x,y) = 6y$$

3.5

a) 
$$x = c(x^2 + 4)$$
;  $\sum_{x=0}^{2} c(x^2 + 4) = c([4) + (5) + (8) + (13)] = (62)$ 

b)  $c(x^2) (\frac{3}{3-x})$ ;  $1 = \sum_{x=0}^{2} c(\frac{7}{x})(\frac{5}{3-x}) = c([1)(1) + (2)(3) + (1)(3))$ 

$$= c(1+6+5)$$

$$= c(10)$$

3.7

a)  $\frac{160 \text{ hrs}}{100 \text{ hrs}} = \frac{1}{2} \cdot \frac{120 \text{ hrs}}{100} = \frac{1}{2} \cdot \frac{2}{2} \cdot \frac{2}{2}$