34. a) P(X>.5 P(x>.5)= P(208.33) 1-Ø (3/33) = .2032 P(X< 1)=P(Z) P(X6, 1) = Vd/5 greater 2005 20.05 = 1.64+1.65 -X6.05=3= 1.645 ,06 X0.05 = 13987

350)
$$P(x > 10) = P(x - 8.8 > 10 - 8.8)$$
 $1 - \Phi(10 - 8.4) = (334)$
 $P(x > 10) = flood)$
35b) $P(x > 20) = 1 - \Phi(20 - 8.8) = (3.16 \times 10^5)$
35c) $P(5 \le x \le 10) = \Phi(10 - 9.8) - \Phi(5 - 8.8)$
 (5785)
 (5785)
 $P(x = 10) = \frac{1}{\sqrt{211}(5)} = \frac{(105 - 10.9)^2}{2.15^2} = \frac{(078)}{(078)} = \frac{1}{\sqrt{218}}$
 $Prob(x \le 50) = \Phi(12) = (5793)$ Cosstan (prob Less print 106)
 $Prob(x \le 50) = \Phi(12) = (5793)$ Cosstan (prob Less print 106)
 $Prob(x \le 50) = 0$
 $P(x = 10) = 10$
 $P(x = 1$

59)a)
$$E(x) = \frac{1}{\lambda}$$
 $\lambda = 1$ $\frac{1}{\lambda} = 1$

61) a)
$$1-e^{(-1/2.725)}$$
 = $e^{-2/2.725}$ = $e^{-2/2.72$

ii)
$$P(XCO) = 0$$