b) CLT Says the Samp. dist. will be:

. approx. normal
$$\Rightarrow 8000 (1/3) \ge 10 \quad 8000 (1-1/3) \ge 10$$

. centered at $1/3 (Mp = \frac{1}{3})$

. St. dev. of $\sqrt{p} = \sqrt{\frac{1/3(1-1/3)}{80.000}} = .0017$

C)
$$,3333$$
 $\pm 2(.0017) = (.3299, .3367)$

$$f$$
) $z = \frac{316 - 3333}{0017} = -10.18$

9) YES! The
$$\beta$$
=.316 is over 10 St. der.
from the mean. $P(z < -10.18) \approx 0!$

$$\frac{6}{2} = \frac{.62 - .67}{.047} = -1.06$$

$$\rho(2 < -1.06) = (.1466)$$