26.1. 90% conf interval

assume 2 tailed

Zo.95 = 1.645

$$\mu \approx \frac{4}{5} \qquad \sigma = \sqrt{\frac{16}{1100}}$$

$$= \sqrt{\frac{4}{275}}$$

$$= \frac{2}{5\sqrt{11}}$$

= 2511

$$\mu' = \frac{17}{25}$$
 $\sigma = 0.091463$

iii. Ho: p ≤ 0.5

H': 6 20.2

given the bayesian distribution of P, and the place p's upper bound at 0.5, at the 5% level, the lower bound of the posterior was 0.52... 70.5

since 0.5 fall within critical region,
sufficient evidence to reject to