

$$1. b) n=800 \quad p=.70$$



$$\hat{p} = .74$$

$$\textcircled{1} \quad \mu_{\hat{p}} = p = .70$$

$$\sigma_{\hat{p}} = \sqrt{\frac{p(1-p)}{n}} = \sqrt{\frac{.70(1-.70)}{800}} = .0162018517 \quad \text{"S"}$$

$$\textcircled{2} \quad z = \frac{\hat{p} - \mu_{\hat{p}}}{\sigma_{\hat{p}}}$$

$$z = \frac{.74 - .70}{.0162018517}$$

$$z = 2.47$$

$\textcircled{3}$



$$z = 2.47$$



$$z = 2.47$$

$$1 - .9932$$

$$\textcircled{.0068}$$