

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



\hat{p}

CALC

$$① \quad \mu_{\hat{p}} = p = .70$$

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

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

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

$$z = 2.47$$



$$z = 2.47$$

$$③ \quad \text{Ncdf}(2.47, E99, 0, 1)$$

$$= .0068$$