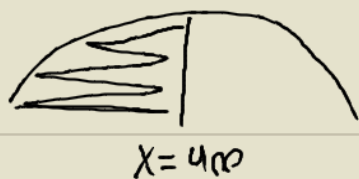


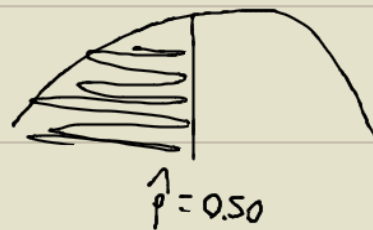
1.e) $n = 800$ $p = .70$



RECALL SO
 $\hat{p} = \frac{x}{n}$

$$\hat{p} = \frac{400}{800}$$

$$\hat{p} = 0.50$$



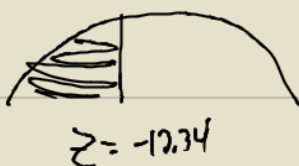
① $\mu_{\hat{p}} = p = .70$

$$\sigma_{\hat{p}} = .0162018517$$

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

$$= \frac{0.50 - .70}{.0162018517}$$

$$= -12.34$$



③ CALC: $NCDF(-E99, -12.34, 0, 1) = \textcircled{0}$

HAND: $\textcircled{0.0002}$