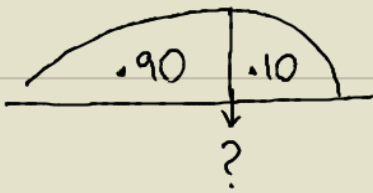


5.

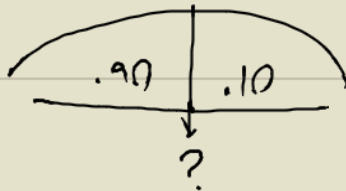


$$\text{INVNORM}(.90, 80, \frac{5}{\sqrt{30}})$$

$$= 81.17$$

CALC

BY HAND



$$z = 1.28$$

$$z = \frac{X - \mu_{\bar{x}}}{\sigma_{\bar{x}}}$$

$$\mu_{\bar{x}} = \mu = 80$$

$$\sigma_{\bar{x}} = \frac{\sigma}{\sqrt{n}} = \frac{5}{\sqrt{30}} = .9128709292$$

$$1.28 = \frac{X - 80}{.9128709292}$$

$$1.28(.9128709292) = X - 80$$

$$80 + 1.28(.9128709292) = X$$

$$81.17 = X$$