

$$\mu = 100$$

$$\sigma = 15 \quad SE = \frac{15}{\sqrt{9}}$$

$$n = 9$$

$$Z = \frac{\bar{m} - \mu}{SE}$$

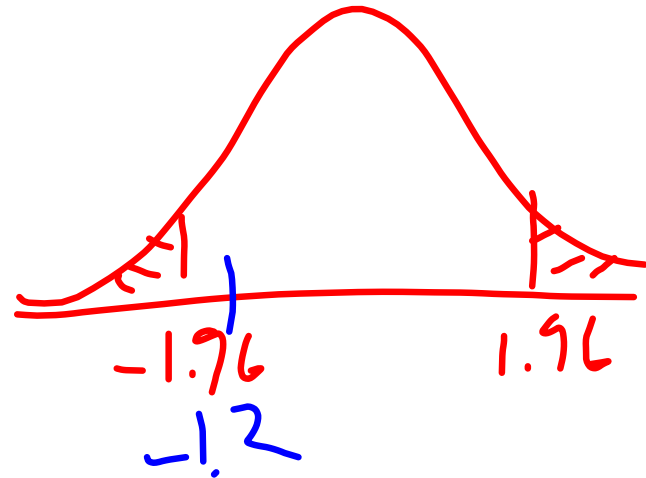
$$Z = \frac{94 - 100}{5} = -1.2$$

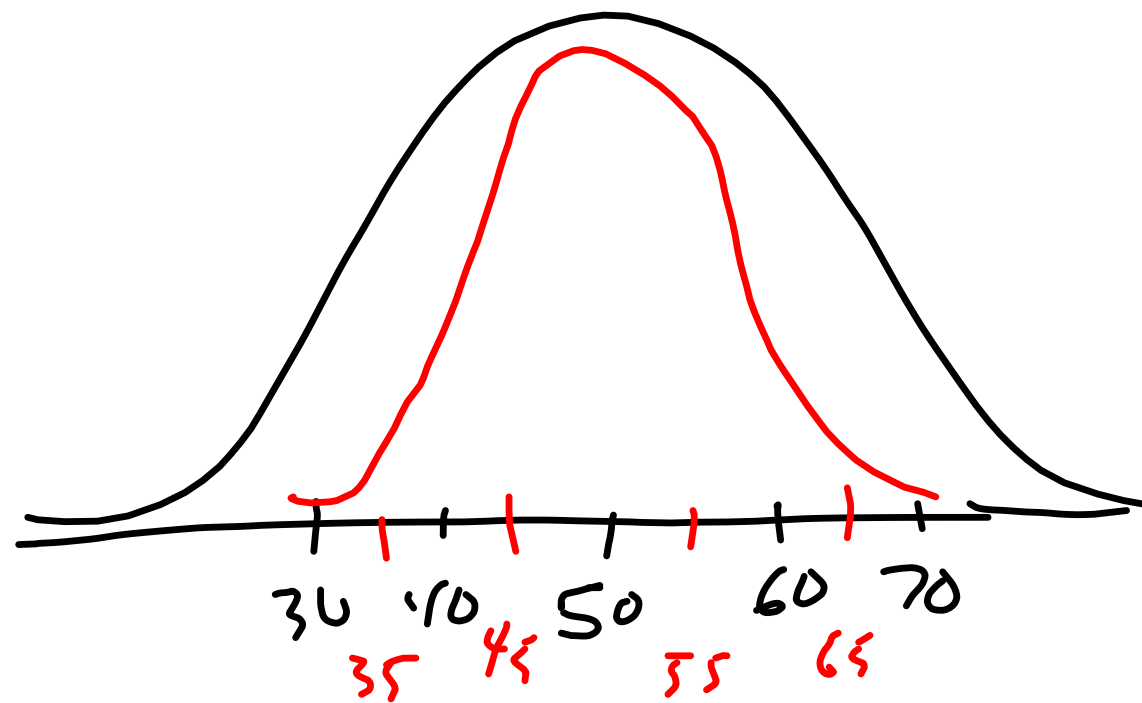
$$\alpha = .05$$

2 tails

$$Z_{0.05} = \pm 1.96$$

$$\bar{m} = 94$$





$$\begin{aligned}\bar{M} &= 105 & \sigma &= 15 \\ n &= 25 & SE &= 3\end{aligned}$$

$$Z = \frac{\bar{m} - \mu}{SE}$$

$$CI_L = -Z \cdot SE + \bar{M}$$

$$-1.96 \cdot 3 + 105$$

$$CI_U = Z \cdot SE + \bar{M}$$

$$1.96 \cdot 3 + 105$$

$$5.88$$

$$CI_L = 99.12$$

$$CI_U = 110.88$$

