

6.5

 $Z =$

$$\frac{\bar{x} - \mu}{\frac{\sigma}{\sqrt{n}}}$$

Sample
means $Z =$

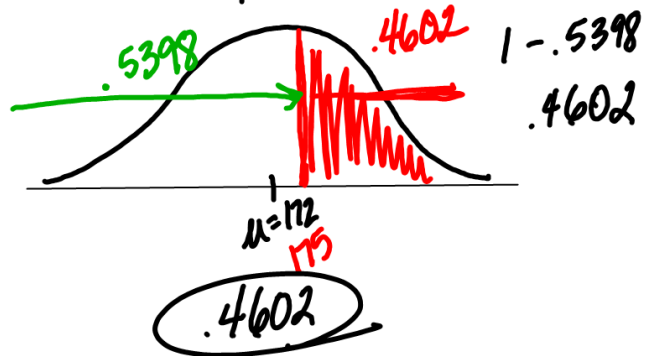
$$\frac{x - \mu}{\sigma}$$

Individual

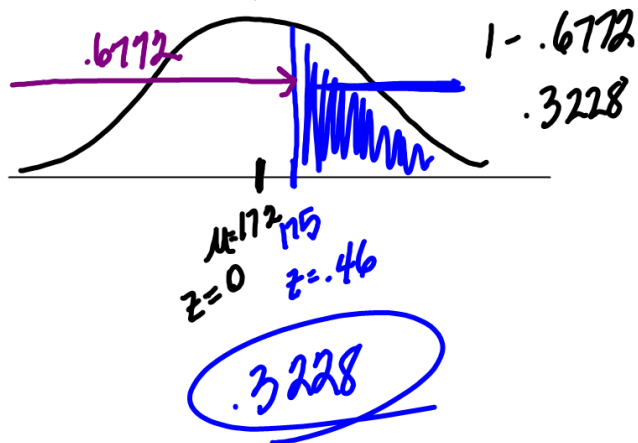
q 290

$$\mu = 172 \quad \sigma = 29$$

a)
$$z = \frac{175 - 172}{29} \quad z = .10$$



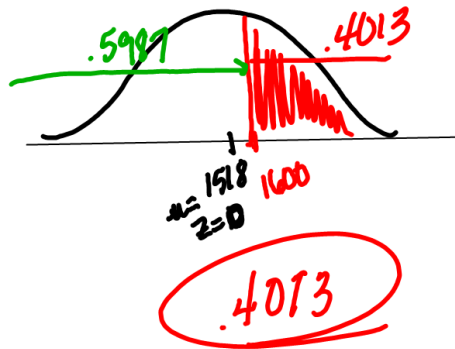
b)
$$z = \frac{175 - 172}{\frac{29}{\sqrt{20}}} = .46$$



p296.

b. $\mu = 1518$ $\sigma = 325$

a) $z = \frac{x - \mu}{\sigma}$
 $z = \frac{1600 - 1518}{325} = .25$



b) $z = \frac{\bar{x} - \mu}{\frac{\sigma}{\sqrt{n}}} = \frac{1600 - 1518}{\frac{325}{\sqrt{64}}}$

