

$$\frac{9.3B}{1} = \frac{24-20.4}{5.8} = .62 \quad Pr(z > .62) = .2676$$

$$2) \quad M_{\overline{x}} = 20.4 \quad \overline{C_{\overline{x}}} = \frac{5.8}{\sqrt{30}} = 1.0589$$

$$3) \quad Z = \frac{24-20.4}{1.0589} = 3.40 \quad Pr(z > 3.40) = .0003$$

$$4) \quad H_{1} \quad would change$$

$$2 + 3 \quad would not change > arc. to CLT, Samp. dist.
is normal even is pop. isn't brause n > 30
30 = 302 = 30$$