$n = 900$; $\bar{x} = 3.4$; $\mu = 3.2$, $\sigma = 2.3$

Assume that sample is drawn from a large population with mean 3.2 and S.D $= 2.3$

H_1 (Two Tailed Test): $\mu \neq 3.2$

H_0 :
$$z = \frac{\bar{x} - \mu}{\sigma/\sqrt{n}} = \frac{3.4 - 3.2}{2.3/\sqrt{900}} = \frac{0.2}{2.3/30}$$

$$= \frac{0.2}{2.3} \times 30 = \underline{\underline{2.608}}$$

$|z| = 2.608 > 1.96$

∴ H_0 is accepted at 5% level of significance i.e sample is drawn from population with mean 3.2 & S.D $= 2.3$.