

2.

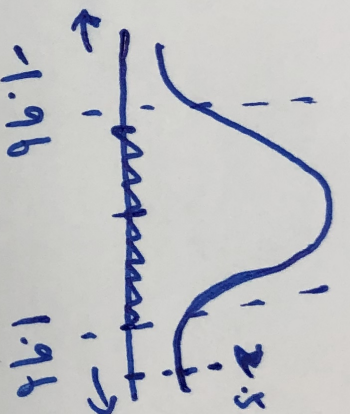
$$H_0: \mu = 420$$

$$H_1: \mu \neq 420$$

$$\alpha = 0.05 \quad \frac{\alpha}{2} = 0.025$$

$$n = 100$$

$$Z_{0.025} = 1.96$$



$$\frac{427 - 420}{\frac{12}{\sqrt{100}}} = 2.5 \Rightarrow \text{拒絕 } H_0$$

\Rightarrow 規格改變