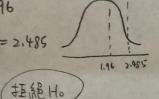
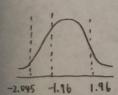
week 12 6. = 4.6

$$\frac{4.65-4.3}{1.26} = 1.757$$

$$\frac{4.65-4.5}{1.26} = 2.485$$



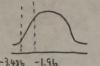
$$\frac{(\overline{\chi} - \overline{\gamma}) - 0}{\sqrt{\frac{S_1^2}{N_1} + \frac{S_2^2}{N_2}}} = \frac{38.3 - 40.1}{\sqrt{\frac{40}{100} + \frac{30}{80}}} = -2.045$$





$$\frac{(\bar{\chi} - \bar{\gamma}) - 0}{S_p \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}} = \frac{32 - 34}{3.450 \sqrt{\frac{1}{64} + \frac{1}{81}}} = -3.486.$$

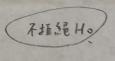
$$S_{p} = \sqrt{\frac{(n_{1}-1)S_{1}^{2}+(n_{2}+1)S_{2}^{2}}{n_{1}+n_{2}}} = \sqrt{\frac{63\times3.2+80\times3.6}{143}} = \chi_{10}^{2}$$



$$\frac{(\overline{x}-\overline{Y})^{-0}}{5p\sqrt{\frac{1}{h_1}+\frac{1}{h_2}}} = \frac{82.6-84.9}{5.693\sqrt{\frac{1}{10}+\frac{1}{10}}} = -0.903$$

$$5p = \sqrt{\frac{9x(4.5165)^2+9x(6.6575)^2}{18}} = 5.693$$





$$Z = \frac{\widehat{p} - p_0}{\sqrt{\frac{p_0(1 - p_0)}{n}}} = \frac{0.45 - 0.4}{\sqrt{\frac{0.4 \times 0.6}{100}}} = 1.0 \times 1$$

$$\boxed{4 \underbrace{p_0(1 - p_0)}_{n}}$$

