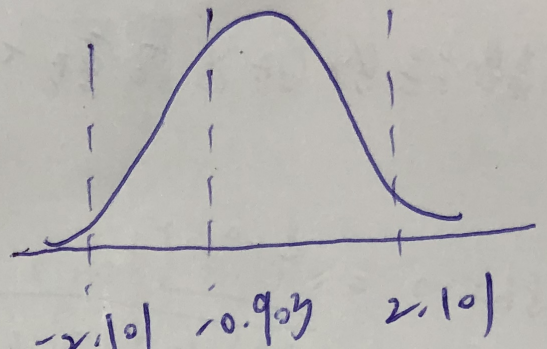
9.

$t_{0.025}(18) = 2.101$

$H_0 = M_1 = M_2 \quad H_1 = M_1 \neq M_2$



$$\frac{(\bar{X}-\bar{Y})-0}{S_p\sqrt{\frac{1}{n_1}+\frac{1}{n_2}}} = \frac{82.6-84.9}{5.693\sqrt{\frac{1}{10}+\frac{1}{10}}} = -0.903$$

不拒絕 H_0

$$S_p = \sqrt{\frac{9\times(4.5765)^2+9\times 6.6975^2}{18}} = 5.693$$