

9.

$$t_{0.05}(18) = 2.101$$

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

$$\frac{(\bar{x} - \bar{y}) - 0}{\sqrt{s_p^2 \left(\frac{1}{n_1} + \frac{1}{n_2} \right)}} = \frac{82.6 - 84.9}{5.693 \sqrt{\frac{1}{10} + \frac{1}{10}}} = 0.903$$

$$SP = \sqrt{\frac{9 \times (4.522)^2 + 9 \times (6.658)^2}{18}} = 5.693 \quad \underline{\text{不拒绝 } H_0}$$