

## 12.1 Tests about a Population Mean (pp.742-765)

- 1. State the null hypothesis for a *one sample t-test*.
- 2. State and use diagrams to illustrate the three possible alternative hypotheses for a *one sample t*-*test*

- 3. Give the formula for the *one-sample t-statistic*, and define each variable in the equation.
- 4. How is the *t*-statistic interpreted?

5. What information would lead us to apply a *paired t-test* to a study, and what would be the statistic of interest?

## 12.2 Tests about a Population Proportion (pp.766-777)

- 1. State the null hypothesis for a *one proportion z-test*.
- 2. State and use diagrams to illustrate the three possible alternative hypotheses for a *one proportion z-test*.

3. Give the formula for the *one-proportion z-statistic*, and define each variable in the equation.

- 4. What assumptions must be met in order to use *z procedures* for inference about a proportion?
- 5. What additional information does a confidence interval provide that a significance test does not?