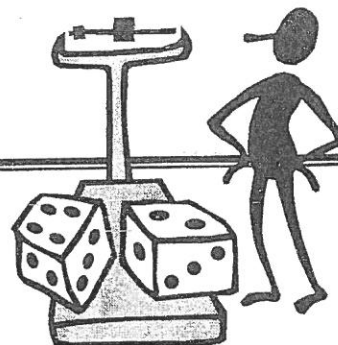


## Chapter 24: Comparing Means



### Key Vocabulary:

- two-sample t-interval
- two-sample t-test
- pooled t-test

### Calculator Skills:

- 2-SampTInt
- 2-SampTTest

1. Describe the assumptions and conditions that must be met in order to use two-sample t-procedures.
2. In a two-sample problem, must/should the two sample sizes be equal?
3. In a two-sample problem, what is the null hypothesis for comparing two means?
4. Explain how to standardize  $\bar{x}_1 - \bar{x}_2$  if  $\sigma_1$  and  $\sigma_2$  are unknown.
5. Explain why we ALWAYS pool our statistics when testing two proportions, but almost NEVER pool our statistics when testing two means.

