**Reading Worksheet 6**

Zwick, W. R., & Velicer, W. F. (1986). Comparison of five rules for determining the number of components to retain. *Psychological Bulletin, 99*(3)*,* 432-442.

1. In your own words, what is a principal components analysis?
2. What are major, minor, and trivial components?
3. What are the five methods for determining the number of components to retain and briefly describe how they are calculated?
4. How accurate were each of the methods? Briefly explain. Which one(s) are best?
5. It has been over 30 years since this article has been published, yet the K1 method is still used in nearly 2/3rds of factor analytic journal articles. What might be a strategy to change poor, yet commonly held, analytic strategies used by researchers?
6. Why is the Parallel Analysis not commonly used?