

## Section 2.4 IRA Guide

### *Introduction*

Screen 1: List of Objective

### ***Objective 1: Describe What Can Make a Graph Misleading or Deceptive***

Screen 1: An overview of misleading graphs and their consequences.

Screen 2: Watch the video solution for Example 1. The problem here has to do with a fair comparison of all 12 months.

Screen 3: Watch the video solution for Example 2. The problem here has to do with the vertical scale.

Screen 4: This problem is based on Examples 1 & 2.

Screen 5: Watch the video solution for Example 3. Again, the problem has to do with the vertical scale.

Screen 6: This problem is based on Examples 2 & 3.

Screen 7: Watch the video solution for Example 4. The problem has to do with ambiguity about the vertical scale.

Screen 8: This problem is based on all of the concepts in this section up through Example 4.

Screen 9: A warning about using 3-D graphics and a discussion of the importance of area and consistent widths of bars in a graph.

Screen 10: Watch the video solution for Example 5. The problem here has to do with the scale of the objects.

Screen 11: Watch the video solution for Example 6. Pay attention to the problems associated with a 3-D pie chart, as well as exploding its wedges.

Screen 12: This problem is based on Example 5.

Screen 13: Summary for how to construct good graphics. This is the most important screen of the entire section.

Screen 14: End of Section