1. (3 points) Consider the test array in the leftmost rectangle below, from Santa (1977). In the blank rectangles to the right of it, draw the other critical test array from the geometric condition and the two corresponding test arrays from the verbal condition. 

![Image of rectangles] (p. 94)

2. (2 points) Briefly describe the behavioral evidence reported by Shepard and Metzler (1971) concerning mental rotation.

   The time it takes to compare two figures to see whether one is a rotated version of the other depends the angular difference between the two figures. (p. 96-97)

   [Credit also given for other mental rotation results from the chapter. The question omitted meaningful context that would’ve helped differentiate.]

3. (1 point) What region of the cortex consistently plays a role in mental rotation?

   Parietal. (p. 97, 105)

4. (2 points) The book discusses two kinds of imagery, verbal and visual, and two kinds of cognitive map, route and survey. Which kind of imagery best suits which kind of map?

   Visual best suits survey maps and verbal best suits route maps. (p. 93, 106)

5. (2 points) The textbook author writes, “It takes about 3 years of hard training to gain a knowledge of London streets adequate to become a successful taxi driver, and this training appears to have an impact on the structure of the brain.” What brain structure is he referring to? What is probably an error in his logic in this sentence?

   The hippocampus. (p. 109) He is attributing causality based on what is probably [and is in fact] a quasi-experiment.