

**PSYCHOLOGY SUBJECT POOL Research Alternative #8:  
PsychSim 5: VISUAL ILLUSIONS**

To complete this activity, you must do the following:

1. Print out this worksheet
2. Go to [http://courses.bfwpub.com/arga/PsychSim\\_ARGA2/15\\_visualIllusions/index\\_angel.html](http://courses.bfwpub.com/arga/PsychSim_ARGA2/15_visualIllusions/index_angel.html) and click on "Visual Illusions." Please do *not* select the option to email answers to your instructor; you must turn in a hard copy of this worksheet.
3. Complete the worksheet, *in your own words*, and turn it in to **125 Moore Building by the deadline listed when you signed up.**

(PRINT THIS INFORMATION CAREFULLY!)

Name: \_\_\_\_\_ Subject Pool ID \_\_\_\_\_

PSYCH 100 Instructor/Section: \_\_\_\_\_

Signature( *required*)/Date: \_\_\_\_\_

This activity offers the opportunity to test your susceptibility to four famous illusions by having you adjust the length or position of one part of the stimulus in order to match the apparent length or position of another part.

**The Müller-Lyer Illusion**

- What were your results on the Müller-Lyer Illusion test? \_\_\_\_\_
- How is this illusion related to depth perception?
  
- What were your results on the second Müller-Lyer Illusion test? \_\_\_\_\_
- Was your pattern of performance similar to the first set of trials, or did the explanation of the illusion affect your performance? Describe your performance on the two sets of trials, indicating whether you did anything on the second set of trials to compensate for the illusion.

**The Ponzo Illusion**

- What were your results on the Ponzo Illusion test? \_\_\_\_\_
- How is this illusion related to size constancy and depth perception?

- Considering the explanation for this illusion, would you expect this illusion to be affected by culture? Explain your answer.
- What were your results on the second Ponzo Illusion test? \_\_\_\_\_
- Did knowing the cause of this illusion help you overcome your susceptibility to it on your second trial? Explain your thinking.

### **The Horizontal-Vertical Illusion**

- What were your results on the Horizontal-Vertical Illusion test? \_\_\_\_\_
- What are the two factors related to this illusion?
- What were your results on the second Horizontal-Vertical Illusion test? \_\_\_\_\_
- Did knowing the cause of this illusion help you overcome your susceptibility to it on your second trial? Explain your thinking.

### **The Poggendorf Illusion**

- What were your results on the Poggendorf Illusion test? \_\_\_\_\_
- How is this illusion related to depth perception?
- What were your results on the second Poggendorf Illusion test? \_\_\_\_\_
- Did knowing the cause of this illusion help you overcome your susceptibility to it on your second trial? Explain your thinking.