

## Logical Worksheet

- a. Identify the hypothesis (p) and conclusion (q)
- b. Write the converse

- c. Write the inverse
- d. Write the contrapositive

1. If the weather gets cold, then it might snow.

- a. p: \_\_\_\_\_ q: \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_

2. If my friend goes jogging, then I will jog.

- a. p: \_\_\_\_\_ q: \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_

3. My sister is happy, if she gets a cookie.

- a. p: \_\_\_\_\_ q: \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_

4. If you like football, then you watch the super bowl.

- a. p: \_\_\_\_\_ q: \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_

5. If it is Monday, then Friends will not be on NBC.

- a. p: \_\_\_\_\_ q: \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_

6. We will go to the movies, if you finish your homework.

- a. p: \_\_\_\_\_ q: \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_

7. Jennifer Lopez is a dancer, a singer, and an actress. (Hint: Use the subject of the sentence to form the hypothesis and the predicate to form the conclusion.)

- a. p: \_\_\_\_\_ q: \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_