

Name: \_\_\_\_\_

## Conditional Statements

**Exercise 1:** Identify the hypothesis and conclusion for each of the following:

1. If you are 15 years old, then you are a freshman.
2. If you are not in school, then it is summer.
3. If an animal does tricks, then it is a dog.
4. If it is a ring, then it is made of gold.
5. If it is a bird, then it can fly.
6. If you wear diapers, then you are an infant.
7. If you play football, then you wear a uniform

**Exercise 2:** Rewrite each conditional statement in IF-THEN form.

1. Parallel lines do not intersect.
2. A square is not a triangle.
3. A square is a rectangle.
4. All integers are real numbers.
5. Two intersecting lines are contained in exactly one plane.
6. Two angles are congruent when they are vertical angles.

**Exercise 3:** Determine if each statement is a conditional statement and determine if it is true, false or neither.

1. If it is blue, then it is not green.
2. If it is not green then it is blue.
3. A person who is crying is not happy.
4. Be home by twelve o'clock.
5. Define collinear points.
6. Every line contains at least two points.
7. Sugar is not always white.