H. Geometry Topic 5—HW Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**For each conditional statement in #1 - 3, do the following parts:**

**A) Identify the hypothesis.**

**B) Identify the conclusion**

**C) State whether the conditional is true or false. If false, provide a counterexample.**

**D) Write the converse.**

**E) State whether the converse is true or false. If false, provide a counterexample.**

1. If it is 1 pm, then it is the afternoon.

A)

B)

C)

D)

E)

2. If a number is divisible by 3, then the number is odd.

A)

B)

C)

D)

E)

3. If you are a twin, then you have a sibling.

A)

B)

C)

D)

E)

**Write each statement as a conditional.**

4. All quadrilaterals have four sides.

5. All even numbers are divisible by 2.

6. Parallel lines have equal slopes.

7. An acute angle measure is less than .

