**GEOMETRY NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**WS: Conjectures, Counterexamples, Conditionals Period \_\_\_\_\_\_\_**



Prove each of the following conjectures false by providing a **counterexample, or write true if it is true.**

15. All vegetables are green.

16. The name of every month ends with the letter “r”.

17. The name of every day of the week ends with “y”.

18. All birds can fly.

19. The United States is the only country in North America.

20. **Fill in the blanks:** In a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ statement, (also called IF-THEN), the IF

part is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and the THEN part is called the \_\_\_\_\_\_\_\_\_\_\_\_\_.

21. **IF** the animal is a frog, **THEN** it is an amphibian.

a) What is the hypothesis?

b) What is the conclusion?

c) What is the converse?

22. **IF** you drink soda, **THEN** you will burp

a) What is the hypothesis?

b) What is the conclusion

c) What is the converse?

23. **IF** you keep doing that, **THEN** your face will stay that way.

a) What is the hypothesis?

b) What is the conclusion

c) What is the converse?

Rewrite each of the following as conditional statements.

24. All of the aliens live on Planet X.

25. Drinking Sprite will make you rich.

26. After eating too much junk food, you will feel sick.

Underline the hypothesis, and circle the conclusion.



















