

Name _____ Period _____

DIRECTIONS: Complete this worksheet on another piece of paper.

For #1-4, write the hypothesis and conclusion of each conditional.

1. If $2x - 1 = 5$, then $x = 3$.
2. If today is Friday, then tomorrow is Saturday.
3. If a number is divisible by 6, then it is divisible by 3.
4. If $x > 0$, then $x^2 > 0$.

5. Is #1 TRUE or FALSE?
6. Is #2 TRUE or FALSE?
7. Is #3 TRUE or FALSE?
8. Is #4 TRUE or FALSE?

9. Write the **converse** of #1. Is this TRUE or FALSE?
10. Write the **converse** of #2. Is this TRUE or FALSE?
11. Write the **converse** of #3. Is this TRUE or FALSE?
12. Write the **converse** of #4. Is this TRUE or FALSE?

13. Write the **contrapositive** of #1. Is this TRUE or FALSE?
14. Write the **contrapositive** of #2. Is this TRUE or FALSE?
15. Write the **contrapositive** of #3. Is this TRUE or FALSE?
16. Write the **contrapositive** of #4. Is this TRUE or FALSE?

17. Write the **inverse** of #1. Is this TRUE or FALSE?
18. Write the **inverse** of #2. Is this TRUE or FALSE?
19. Write the **inverse** of #3. Is this TRUE or FALSE?
20. Write the **inverse** of #4. Is this TRUE or FALSE?