

Name \_\_\_\_\_

Date \_\_\_\_\_

### Conjunctions, Disjunctions, and Biconditionals - Matching Worksheet

Match the truth Values: and, or, implies to their answers. Write the letter of the answer that matches the problem.

- |       |   |               |       |
|-------|---|---------------|-------|
| _____ | 1. Is 17 is an odd number? Write yes or no  | a.            | yes   |
| _____ | 2. Is 12 is an odd number? Write yes or no  | b.            | true  |
| _____ | 3. Is 11 is an odd number? Write yes or no  | c.            | true  |
| _____ | 4. 8 is even or 14 is even? Write yes or no   | d.            | false |
| _____ | 5. 9 is even or 2 is even? Write yes or no  | e.            | true  |
| _____ | 6. 13 is even or 3 is even? Write yes or no   | f.            | no    |
| _____ | 7. 4 is odd number if and only if the center of the circle.                                       | origin:<br>g. | yes   |
| _____ | 8. 3 is even number if and only if a triangle with an interior angle is not $180^\circ$           | h.            | false |
| _____ | 9. 1 is odd number if and only if a radius distance from center of circle to any point on circle. | i.            | true  |

