

Name _____

Date _____

Conjunctions, Disjunctions, and Biconditionals - Independent Practice Worksheet

Complete all the problems.

1. What is the truth value of:

6 is a prime number if and only if all sides of the square are equal.

2. 7 is a prime number if and only if circle has no side.

3. 8 is even number if and only if the four angles of rectangle are equal and they are all 90 degrees.

4. 13 is even number if and only if in rectangle ,opposite sides each other are equal in length

5. 11 is even number if and only if rectangle is a parallelogram

6. What is the truth value of the statement:

8 is even or 5 is even.

7. 12 is even or 10 is even.

8. 2 is even or 5 is even.

9. 1 is even or 3 is even.

10. 4 is even or 8 is even.

