

Name _____

Date _____

Conjunctions, Disjunctions, and Biconditionals - Guided Lesson Explanation

Explanation # 1

Let's start by looking at the truth value of all the statements.

3 is a prime number; True (T)

Equiangular triangle are not all the same length (congruent); False (F)

If the first fact true and second fact is false, the entries sentence is true.

Answer: True

Explanation # 2

Break down all the parts for their individual truth value, first.

2 is even; True (T)

6 is even; True (T)

(T or T = T)

If first fact is true or second fact is true, the entire sentence is true.

Answer: True

Explanation # 3

What is the truth value of:

4 is a prime number; False (F)

when you add the opposite interior angles of a triangle they are equal to the exterior angle. True (t)

If the first fact false and second fact is true, the entries sentence is true.

Answer : True

