

Name _____

Date _____

Logic- Negation- NOT & Conjunction- AND - Guided Lesson

Explanation

From all of the problems we are looking to write the value of the negation of each statement. Not that we are not being asked to rewrite the sentence, just provide the final value.

Negations provide you with the opposite truth value of the original statement. If your starting truth value was false, the negation would make the truth value true. If the starting truth value was true, the negation would make it false.

So our strategy here is to find the starting truth value of statement. Our answer would be the opposite of that value.

Explanation # 1

The original statement is true, so the negation of this value will be false.

Answer: False

Explanation # 2

Under negation, TRUE becomes FALSE - or - FALSE becomes TRUE.

The original statement is true, so the negation of this value will be false.

So negation of the given sentence is: In an isosceles triangle, the base angles are not equal.

Now the sentence is false.

Answer: False

Explanation # 3

The original statement is false, so the negation of this value will be true.

So negation of the given sentence is: The sum of the exterior angles of any triangle is not 180° ."

Now the sentence is true.

So the truth value is: True

