

Assignment 2

Due Thursday, Sep 18, 2014

Note: there are 5 problems

1. Consider the statement,

In a plane triangle, a side opposite to a bigger angle is bigger than a side opposite to a smaller angle.

Identify the context, premise and conclusion of this statement.

Do you think the statement is true? Give reasons.

2. Write a convincing argument that if the sum of two integers is even then either both integers are even or both are odd.

3. Write a convincing argument that the product of any two positive odd integers is an odd integer.

4. Write a convincing argument that if n is an integer and n^2 is odd then n is odd.

5. For each one of the above three problems write down the context (C), premise (P) and conclusion (Q).