

Homework 3: More graphs and geometry

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Problem 1.

At a party, there are 15 people. Some of these shook hands and introduced themselves.

Show that there were two people at the party who introduced themselves to *the same number* of people.

Problem 2.

In a triangle ABC the length of AB is 3.14, the length of $BC = 0.67$. What is the length of AC if we are given that it is integer?