

# Mathematics Problem of the Week

Problem number 266

Posted Monday October 26<sup>th</sup>, 2015

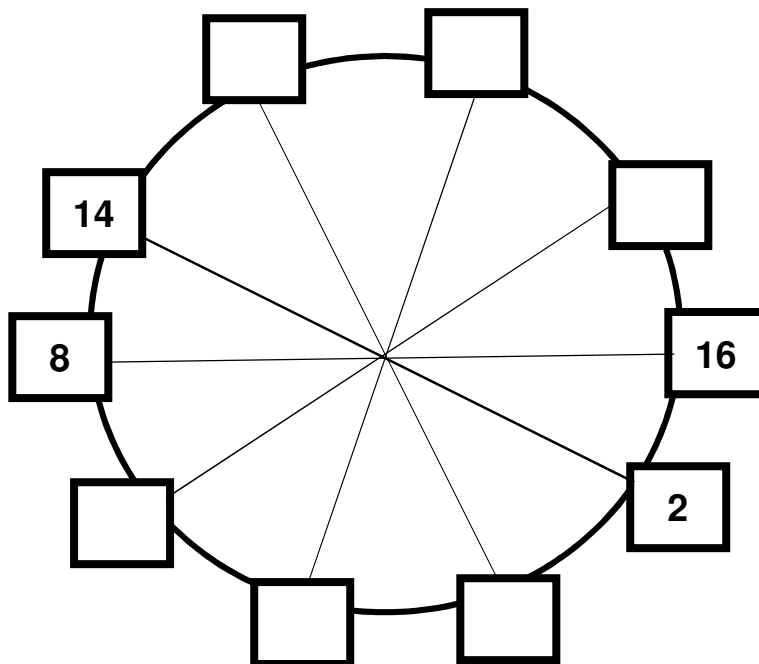
Submit by noon, Monday November 2nd 2015



## Circle of Insanity

In this circle shown below, any adjacent two numbers, squared and then added together, should equal to their diametrically opposite two numbers squares and added. No number needs to be bigger than 100, there should be no fractions, and no numbers repeated.

Can you fill in the remaining six numbers?



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Submit your solution by

§ emailing it to [MathProblem@kpu.ca](mailto:MathProblem@kpu.ca)

§ putting it in the MPOW box in the Math Assistance Centre on the Surrey campus (library, main floor)

§ putting it in the MPOW box in The Learning Centre on the Richmond campus (located in the library)

§ giving it to Tariq Nuruddin (Surrey A3670)

Be sure to include your name. In order to be eligible for the prize, KPU students should also include their student numbers. Winners names will be posted on the Problem of the Week web page. You can have the Problem of the Week emailed to you each week. Just go to the website and sign up.

Web site: <http://www.kpu.ca/mathematics-problem-week> .