

Kwantlen Polytechnic University

Mathematics Problem of the Week

Problem number 270

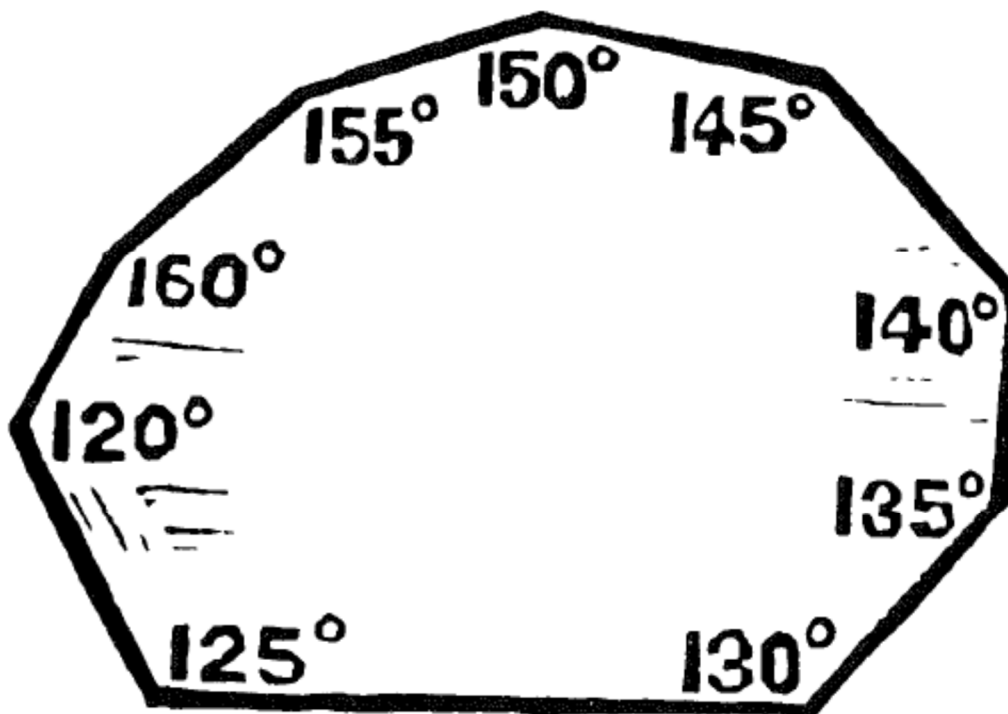
Posted Monday November 23, 2015

Submit by noon, Monday November 30, 2015



Picking a Polygon

Only two polygons can have a smallest interior angle of 120° with each successive angle 5° greater than its predecessor. One is the nonagon as shown below. Which is the other polygon?



Submit your solution by

- § emailing it to 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> .