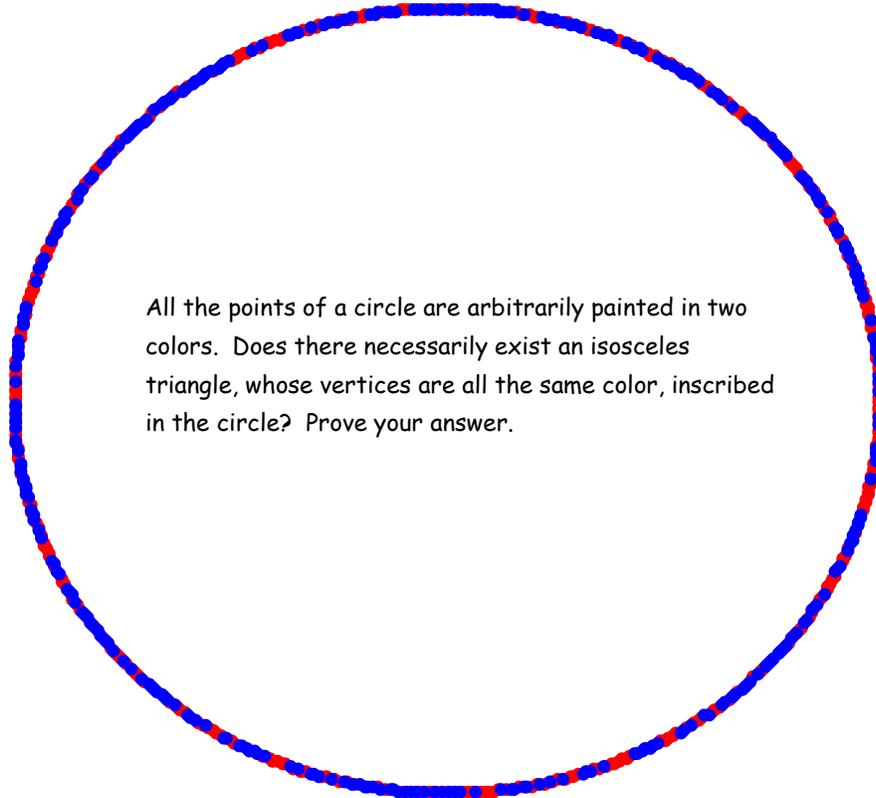


Problem of the Week #1

Assigned: 1300 2 Sep 10

Due: 1300 9 Sep 10



All the points of a circle are arbitrarily painted in two colors. Does there necessarily exist an isosceles triangle, whose vertices are all the same color, inscribed in the circle? Prove your answer.

Email solutions to Christopher.marks@usma.edu with subject line: POTW.

Solutions can be emailed in the form of: an email (plain text) no attachment, a word document, a mathematica file, an excel workbook, or a scanned adobe file of your work.

If none of these options work for you, you may drop a hardcopy off at my office TH239C, just annotate the time of submission.