

Mathematics Problem of the Week

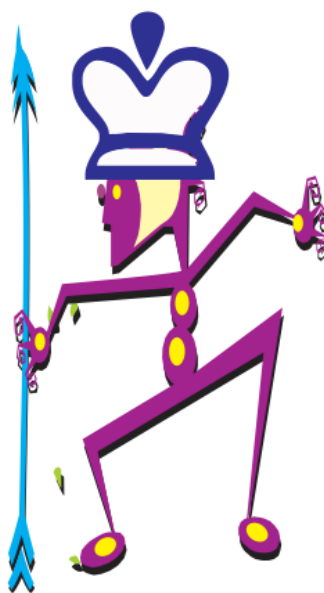
Problem Number: 290

Posted on Monday, November 7, 2016

Deadline: Monday, November 14, 2016 at noon

Knights and Knaves

An island is inhabited only by knights and knaves. Knights always tell the truth, and knaves always lie. You meet two inhabitants: Zed and Alice. Zed tells you, “I am a knight or Alice is a knave.” Alice tells you, “One of Zed and I, exactly one is a knight.” Can you determine who is a knight and who is a knave? ¹



¹For immediate assistance with this problem, email Asiyeh at asiyeh.sanaei@kpu.ca or Vicky at siqi.wei@kpu.ca.