

Problem of the Week
Problem #1
Due 02/05/16

Determine the distinct integer values x_1, x_2, \dots, x_8 , using integers 1 through 8 so that

$$f(x_1) + f(x_2) + f(x_3) + f(x_4) = f(x_5) + f(x_6) + f(x_7) + f(x_8)$$

for ALL quadratic functions $f(x) = ax^2 + bx + c$.

Submit your work and solution at the next Talk Math 2 Me with your name, student ID (A00...), major, what math course you are currently taking, and email.