Problem of the week #6

Due October 11th

Problem. Find, with explanation, meaningful values for:

(a) 1+2+3+4+...
(b) 1²+2²+3²+4²+...
(c) 1³+2³+3³+4³+...

Solutions ought to use ideas described in the accompanying document Problem 6 Background available on the POW webpage.

- Partial credit may be given for partial answers.
- Each POW will be due the following week at 1pm.
- Questions? Email: bthorner@unomaha.edu
- Submit solutions to (above email), DSC 210, or DSC 203.
- POWs, solutions, backgrounds, leaderboard available at

https://www.unomaha.edu/college-of-arts-and-sciences /mathematics/student-opportunities/pow_solutions.php