

NAME: Armen Panossian

Email: asp237@scarletmail.rutgers.edu

Part 1

- 1) According to the Internet, who is the greatest mathematician of all time?
 - a. Euler
- 2) From what undergraduate institution did Dennis deTurck graduate?
 - a. Drexel University
- 3) From what institution did the S in RSA (Adi Shamir) obtain his Phd?
 - a. Weizmann Institute of Science

Part 2

1a. $x = 7/12 \rightarrow \text{ceil}(1/x) = 2$, therefore $7/12 = \frac{1}{2} + \text{EF}(7/12 - \frac{1}{2}) = \frac{1}{2} + \text{EF}(1/12) = \frac{1}{2} + 1/12$

1b. This is a better way because the size of the different pieces will be more similar than some pieces being half a pie and other being only a twelfth

2a. The 2 smallest positive integers that satisfy this are 7 and 22