- Write a Python program called Icm_gcd.py to calculate the lowest common multiple (LCM) of two integers
- You may only use basic arithmetic operators no looping constructs
- You may also leverage Python's built-in greatest common divisor (GCD) function
- Calculate and display the LCM of 447618 and 2011835
- Upload your solution to the BNL QIS101 SharePoint site

- Write a Python program called herons_method.py to implement Heron's Method for numerically estimating square roots
- Using the built-in random module, generate a random integer such that
- Using Heron's method, find such that with
- Display variables and with rounded to eight digits to the right of the decimal
- Upload your solution to the BNL QIS101 SharePoint site

 Update factor_quadratic.py to properly factor this quadratic:

- For extra street cred (aka bonus points):
 - Factor out and display the GCD shared amongst J, K, and L
 - Strengthen the code to process *negative* coefficients
 - Stop after displaying the first found factor (if any)
 - Handle quadratics like
- Upload your solution to the BNL QIS101 SharePoint site

- Add code to main() in gen_continued_fractions.py to display two GCFs that I discovered that approximate
- Upload your solution to the BNL QIS101 SharePoint site

$$\pi = 3 + \frac{1}{7 + \frac{1}{15 + \frac{25}{23 + \frac{65}{31 + \cdots}}}}$$

$$\pi = [3; 1, {(8n^2-7)|(8n-1)}]$$

$$\pi = [3; 1, \{(8n^2-7) | (8n-1)\}]$$

$$\pi = 2 + \frac{8}{6 + \frac{12}{10 + \frac{32}{14 + \frac{60}{18 + \ddots}}}}$$
GCF#2

$$\pi = [2; 8, \{(4n^2+8n) | (4n+2)\}]$$
Did | beat Euler?