

Final Project (Two to six pages). Double spaced latex, word or neatly hand written.

Choose a topic/problem from the course and develop it further. For example,

- (1) Solving equations (square root)
- (2) Complex Numbers
- (3) Interest Rate problems
- (4) Newton Gravity problem (auxiliary variable – power series)
- (5) Pascal, Fibonacci relationships
- (6) Radius of convergence for power series
- (7) Recurrence relations for power series
- (8) Auxiliary Variables
- (9) Electric Circuits
- (10) $y' = x^r ; y(0) = 1$