Fall 2018 CIS 3362 Homework #5 Grading Criteria (120 pts)

1) 10 pts - Give full credit if they have the correct answer. If not, give partial based on work shown, so if they just mess up one division, just take off 1 pt.

2) 10 pts - Grade this based on their answer to #1, Give 2 pts per each product for each prime.

3) 5 pts - 3 pts rewrite exponent as 2990 + 2, 2 pts for final answer

4) 5 pts - 3 pts rewrite exponent as 2688 + 1, 2 pts for final answer

5) 10 pts - 3 pts Euclidean, 6 pts Extended, 1 pt for extracting the correct answer

6) 20 pts - 15 pts proof that if gcd(p-1,k) = 1 then α^k is also primitive.
       5 pts for proof that if gcd(p-1,k) isn't 1, then α^k is NOT primitive
       Many ways to do this proof. Give partial credit by following their logic.

7) 12 pts - 2 pts for each of the six values, just use this criteria exactly.

8) 8 pts - 3 pts for 9, 3 pts for 24, 2 pts for 9

9) 40 pts

10 pts for coding trial division
15 pts for Fermat code
10 pts for the table
5 pts for the result that Fermat sucks!