- (1) Show that if a|n, b|n, and gcd(a, b) = 1, then ab|n.
- (2) Say that a positive even integer is "prime-even" if it cannot be written as the product of two smaller positive even numbers. Show that unique factorization into prime-evens fails for the positive even numbers.
- (3) Compute by hand the greatest common divisor of 1290 and 714.