

Math 255 - Spring 2022
The Euclidean algorithm by hand
10 points

For each of the following pairs, use the Euclidean algorithm to compute $\gcd(a, b)$. You may use a calculator to do any intermediate steps, but you must show your work “as if” you were doing the problem by hand for credit.

1. $a = 7, b = 30$

2. $a = 101, b = 17$

3. $a = 252, b = 291$

4. $a = 845, b = 117$