

ENEE/CMSC/MATH 456: Cryptography  
Euclidean Algorithm Class Exercise 4/15/19

1. Use the Extended Euclidean Algorithm to find integers  $X, Y$  such that  $24X + 17Y = 1$ :

2. Use the Extended Euclidean Algorithm to find integers  $X, Y$  such that  $27X + 16Y = 1$ :