

Math 580: Quiz 2

Show ALL Work

Name _____

1. Calculate $\gcd(6882, 69161)$. Show work justifying your answer.

$$\gcd(6882, 69161) = \boxed{}$$

2. Possibly using information from your work above, find integers x and y such that

$$6882x + 69161y = \gcd(6882, 69161).$$

Show work that indicates where your answer is coming from. Note: there is more than one correct x and one y . I am only asking for one x and one y .

$$x = \boxed{}$$

$$y = \boxed{}$$