QUIZ #4 – MATH 2200
SPRING 2018

MARCH 9TH, 2018

1. Suppose that $n \mid m$ where $n, m \in \mathbb{Z}_{>0}$. Suppose also that $a \equiv b \pmod{m}$. Prove that

$$a \equiv b \pmod{n}.$$

(10 points)

2. Use the Euclidean Algorithm to find $\gcd(1001, 1331)$. Write out all your steps logically and carefully. (10 points)