

Name _____ Discrete I, Quiz 8

1) Let R be the relation on \mathbb{Z} defined by xRy if and only if $5|x - y$. It is known that R is an equivalence relation (You don't need to prove this, I just told you it's true). What elements are in the equivalence class $[3]$?

2) Compute $4 \cdot 5 \pmod{7}$.

3) Solve $2x + 5 = 8 \pmod{17}$.