Number Theory Quiz V

RDB

June 29, 2022

Problem 1 Determine all $x \in \{0, 1, 2, \dots, 84\}$ such that

 $x \equiv 2 \pmod{5}$ $x \equiv 1 \pmod{17}.$

Problem 2 For which $n \in \{1, 2, \dots, 10\}$ does d(n) = 2n?