

Fall 2019, Math 579: Preliminary Problem Set 2
Due: Thursday, September 5th, 2019
Elementary Counting Methods

Preliminary problems. These problems should be completed before discussion on Thursday.

(P1) Determine how many 5-digit numbers are divisible by 5 and have middle digit 6.

(P2) Let $n = 2^4 3^5 5^2 7^1$. How many positive divisors does n have?