Math 365 - Quiz 1

Name and Student ID:

Question: Find all solutions $(x, y) \in \mathbb{Z}^2$ of the equation $91x + 247y = 52$.

Math 365 - Quiz 1

Name and Student ID:

Question: Calculate $d = gcd(12, 21, 28)$ and write d in the form $12x + 21y + 28z$ for some integers x, y and z.

Math 365 - Quiz 1

Name and Student ID:

Question: Find all solutions $(x, y) \in \mathbb{Z}^2$ of the equation $55x + 198y = 66$.

Math 365 - Quiz 1

Name and Student ID:

Question: Calculate $d = gcd(12, 20, 45)$ and write d in the form $12x + 20y + 45z$ for some integers x, y and z.

Math 365 - Quiz 1

Name and Student ID:

Question: Find all solutions $(x, y) \in \mathbb{Z}^2$ of the equation $112x + 266y = 56$.

Math 365 - Quiz 1

Name and Student ID:

Question: Calculate $d = gcd(10, 15, 42)$ and write d in the form $10x + 15y + 42z$ for some integers x, y and z.