Math 366 - Quiz 1

Name and Student ID:

Question: Find all triples $(x, y, z) \in \mathbb{Z}^3$ such that $x^2 + y^2 = z^2$, $x > 0$, $y > 0$, $z > 0$ and $y + z = 125$.

Math 366 - Quiz 1

Name and Student ID:

Question: Find all triples $(x, y, z) \in \mathbb{Z}^3$ such that $x^2 + y^2 = z^2$, $x > 0$, $y > 0$, $z > 0$ and $y + z = 245$.

Math 366 - Quiz 1

Name and Student ID:

Question: Find all triples $(x, y, z) \in \mathbb{Z}^3$ such that $x^2 + y^2 = z^2$, $x > 0$, $y > 0$, $z > 0$ and $y + z = 405$.

Math 366 - Quiz 1

Name and Student ID:

Question: Find all triples $(x, y, z) \in \mathbb{Z}^3$ such that $x^2 + y^2 = z^2$, $x > 0$, $y > 0$, $z > 0$ and $y + z = 275$.

Math 366 - Quiz 1

Name and Student ID:

Question: Find all triples $(x, y, z) \in \mathbb{Z}^3$ such that $x^2 + y^2 = z^2$, $x > 0$, $y > 0$, $z > 0$ and $y + z = 147$.

Math 366 - Quiz 1

Name and Student ID:

Question: Find all triples $(x, y, z) \in \mathbb{Z}^3$ such that $x^2 + y^2 = z^2$, $x > 0$, $y > 0$, $z > 0$ and $y + z = 81$.