Systems of three linear equations

Name: _____ Date: _____

6 questions | 12 marks

1. Solve $x+y+z=9$, $x-y=1$, $z=2$. [2 marks]

2. Solve $x+y=3$, $y+z=5$, $x+z=4$. [2 marks]

3. Classify $x+y+z=2$, $2x+2y+2z=5$, $z=1$. [2 marks]

4. Parametrise $x+y=2,\ z=1,\ 2x+2y=4$. [2 marks]

5. Solve $x+2y+z=8,\ y-z=1,\ x-z=2$. [2 marks]

6. What does a unique solution of three independent plane equations represent? [2 marks]