

**Advanced Higher Maths
SQA 2016 Paper
Question 4**



Below is a system of equations:

$$x + 2y + 3z = 3$$

$$2x - y + 4z = 5$$

$$x - 3y + 2\lambda z = 2$$

Use Gaussian elimination to find the value of λ which leads to redundancy.

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Answer:

$$\lambda = \frac{1}{2}$$