

National 5 Maths
SQA 2018 Paper 1
Question 4

Two vectors are given by $\mathbf{u} = \begin{pmatrix} 1 \\ 5 \\ 1 \end{pmatrix}$ and $\mathbf{u} + \mathbf{v} = \begin{pmatrix} 6 \\ -4 \\ 3 \end{pmatrix}$.

Find vector \mathbf{v} .

Express your answer in component form.

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Answer:

$$\begin{pmatrix} 5 \\ -9 \\ 2 \end{pmatrix}$$