

Higher Maths
SQA 2017 Paper 2
Question 2



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- (a) Show that $(x-1)$ is a factor of $f(x) = 2x^3 - 5x^2 + x + 2$. 2
- (b) Hence, or otherwise, solve $f(x) = 0$. 3
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Answers:

- (a) Use 1 in synthetic division or in evaluation of cubic.
Show that the remainder upon division by $(x - 1)$ is 0.
- (b) $x = -\frac{1}{2}, 1, 2$