

**Advanced Higher Maths
SQA 2019 Specimen
Paper 1 Question 5**



The complex number $z = 2 + i$ is a root of the polynomial equation
 $z^4 - 6z^3 + 16z^2 - 22z + 15 = 0$.

Find the remaining roots.

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Answers:

$$z = 1 \pm \sqrt{2}i$$