

Paper Reference 9FM0/02
Pearson Edexcel
Level 3 GCE

Further Mathematics
Advanced
PAPER 2: Core Pure Mathematics 2

Diagram Booklet

In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

INSTRUCTIONS

There may be spare copies of some diagrams in case you need them.

**THIS DIAGRAM BOOKLET MUST BE RETURNED
WITH THE ANSWER BOOKLET AT THE END OF THE
EXAMINATION.**

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Question 1

Line 1 \longrightarrow $\arg(z_1) = \tan^{-1}\left(\frac{3}{3}\right) = \frac{\pi}{4}$

Line 2 \longrightarrow $\arg(z_2) = \tan^{-1}\left(\frac{1}{\sqrt{3}}\right) = \frac{\pi}{6}$

Line 3 \longrightarrow $\arg\left(\frac{z_1}{z_2}\right) = \frac{\arg(z_1)}{\arg(z_2)}$

Line 4 \longrightarrow $= \frac{\left(\frac{\pi}{4}\right)}{\left(\frac{\pi}{6}\right)} = \frac{3}{2}$

Question 7

