

Practice for assessment: Geometry, Proof and Systems of Equations
Geometry, Proof and Systems of Equations Assessment Standard 1.3

1. $Z = 4\sqrt{3} - 4i$
 - a. Find the modulus and argument of Z using exact values
 - b. Write Z in the form $r(\cos \theta + i \sin \theta)$.

2. $Z = \sqrt{2} \left(\cos \frac{3\pi}{4} + i \sin \frac{3\pi}{4} \right)$
 - a. Write Z in cartesian form using exact values.
 - b. Plot Z on an argand diagram.