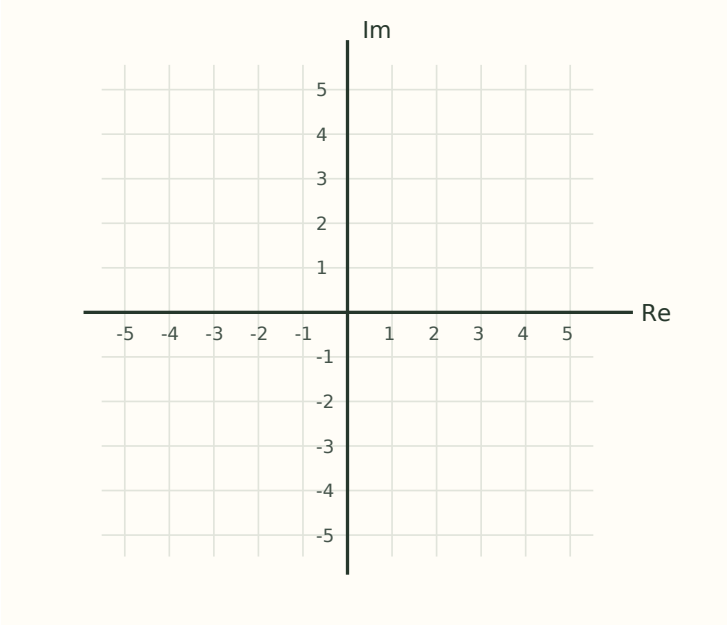
Practice worksheet | Complex numbers

Argand diagrams

Name: _____ Date: _____

6 questions | 17 marks

1. On an Argand diagram, plot $2 + 3i$, $-4 + i$ and $-2i$. State their coordinates. [3 marks]



2. A point is three units left of the origin and four units below it. Write the complex number. [2 marks]

3. For $z = 1 - 4i$, state the coordinates of $\overline{z}$ and $-z$. [3 marks]

4. Find the distance from $A = -1 + i$ to $B = 3 + 4i$. [3 marks]

5. A rectangle has vertices 0, 4, $4 + 3i$ and $3i$. Find its perimeter and area. [3 marks]

6. Describe the transformation that maps every point z to $-\overline{z}$. [3 marks]