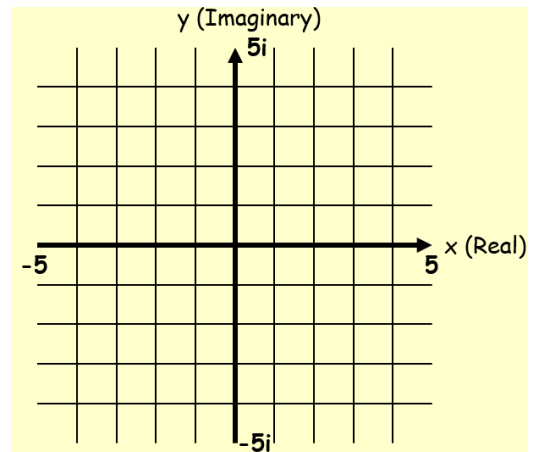


2A Introduction to Argand Diagrams

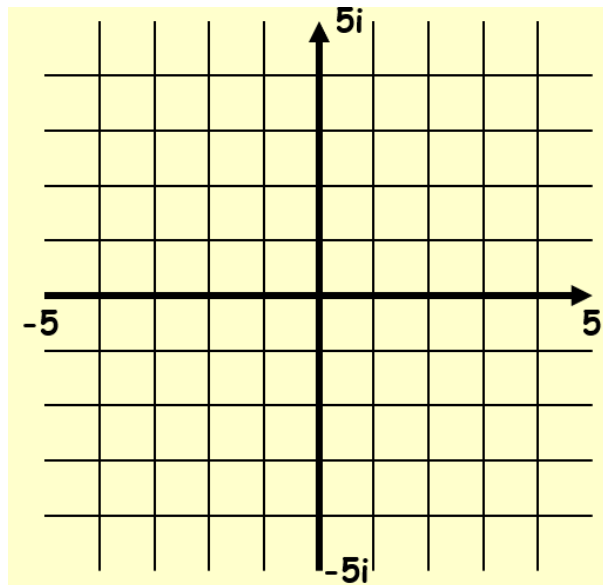


1. Represent the following complex numbers on an Argand diagram:

$$z_1 = 2 + 5i$$

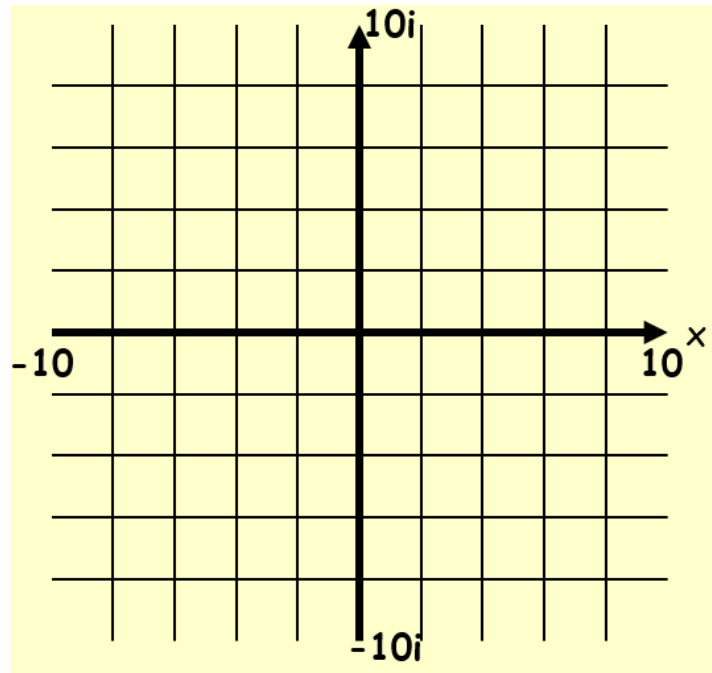
$$z_2 = 3 - 4i$$

$$z_3 = -4 + i$$



Find the magnitude of $|OA|$, $|OB|$ and $|OC|$, where O is the origin of the Argand diagram, and A , B and C are z_1 , z_2 and z_3 respectively

2. $z_1 = 4 + i$ $z_2 = 3 + 3i$
Show z_1 , z_2 and $z_1 + z_2$ on an Argand diagram



3. $z_1 = 2 + 5i$ $z_2 = 4 + 2i$
Show z_1 , z_2 and $z_1 - z_2$ on an Argand diagram

