MAT 101 C/O

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Define:

1. Empty set

It is a set, a unique set having no elements; its size or cardinality (count of elements in a set) is zero.

(ii) Singleton set

It is a set, also known as "unit set", with exactly one element.

2. If $A = 2 + 7i$ and $B = 9 - 5i$

Find (i) $Im(A/B)$ (ii) $Re(B - A)$

Solution

A imaginary = 7 A Real = 2

B imaginary = -5 B Real = 9

$$\text{Imaginary}(A/B) = 7/-5$$

$$\text{Real}(B - A) = -5 - 9$$

$$= -14$$