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Elect/ Elect Engineeing

MAT 101

1.) Define the following   can be defined

i.) Empty set: The empty set, is a set that has no member

Notation: The symbol is ∅ is used to represent the empty set { }.

ii.) Singleton set: Is a set that con The singleton set can
be defined as a set that contains exactly one element
e.g {a}, {∅}.

2.) If $A = 2 + 7i$ and $B = 9 - 5i$ Find i.) $Im(A/B)$

ii.) $Re(B-A)$

Solution

i.) $Im(A/B) = 7/5 = 1.4i$

ii.) $Re(B-A) = 9 - 2 = 7$