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1 An empty Set has no element in it

A Singleton Set is a Set with only one element

2 $A = 2 + 7i$ $B = 9 - 5i$
 A/B

$$\frac{2+7i}{9-5i} = \frac{2+7i}{9+5i} \cdot \frac{9+5i}{9+5i} = \frac{18+10i+63i+35i^2}{81+45i-45i-25i^2}$$

$$\frac{18+73i-35}{81-25} = \frac{38+73i}{56} = \frac{38}{56} + \frac{73}{56}i$$

ii $\text{Re}(B - A)$

$$9 - 5i - 2 - 7i$$

$$9 - 2 - 5i - 7i$$

$$= 7 - 12i$$