

This book has permission to use the "N&K method of COLORS".

2) **Question:** If $i = \sqrt{-1}$ find the sum of $(8 + 4i) - (-9 + 10i)$

A) $-1 + 16i$ *changed*

B) $-1 - 6i$

C) $17 + 16i$

D) $17 - 6i$

Solution:

$$8 + 4i - (-9 + 10i)$$

$$= 8 + 4i + 9 - 10i$$

$$= 8 + 9 + 4i - 10i$$

$$= 17 - 6i \quad \text{Answer (D)}$$