

Precalculus

Complex addition/subtraction

Todor Milev

2019

Let $u = 2 + 3i$, $v = 5 - 7i$.

Example (Addition)

$$u + v =$$

.

Example (Subtraction)

$$u - v =$$

.

Example (Multiplication)

$$u \cdot v =$$

Let $u = 2 + 3i$, $v = 5 - 7i$.

Example (Addition)

$$u + v = (2 + 3i) + (5 - 7i) = ?$$

Example (Subtraction)

$$u - v =$$

Example (Multiplication)

$$u \cdot v =$$

Let $u = 2 + 3i$, $v = 5 - 7i$.

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Example (Subtraction)

$$u - v = (2 + 3i) - (5 - 7i) = ?$$

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$$u - v = (2 + 3i) - (5 - 7i) = (2 - 5) + (3 - (-7))i = -3 + 10i.$$

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