Precalculus Complex multiplications

Todor Miley

2019

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

$$u + v =$$

Example (Subtraction)

$$u - v =$$

$$u \cdot v =$$

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

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$$= 31 + i$$