

. How do I subtract complex numbers in Google Sheets?

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"Google Sheets is a spreadsheet program that allows users to perform complex mathematical operations. One of these operations is subtracting complex numbers. This involves calculating the difference between two numbers that contain both real and imaginary components. To subtract complex numbers in Google Sheets, users can use the built-in mathematical functions or manually input the formula. This feature provides users with a convenient and efficient way to perform complex calculations within the familiar interface of Google Sheets."

IMSUB

Returns the difference between two complex numbers.

Sample Usage

```
IMSUB("6+5i", "2+3i")
```

Syntax

```
IMSUB(first_number, second_number)
```

first_number - The complex number to subtract **second_number** from. **second_number** - The complex number to subtract from **first_number**.

Notes

The difference between two complex numbers is defined as follows:

$(a+bi) - (c+di) = (a-c) + (b-d)i$ You can subtract two complex numbers only if they have the same suffix (i or j). For example, you can't do `IMSUB("4+3i", "1+2j")`.

See also

COMPLEX: The **COMPLEX** function creates a complex number, given real and imaginary coefficients. **IMREAL**: Returns the real coefficient of a complex number. **IMAGINARY**: Returns the imaginary coefficient of a complex number. **IMSUM**: Returns the sum of a series of complex numbers or cells or both.

Examples

| 1 | A | B |
|---|-------------------------------------|--------|
| 2 | Formula | Result |
| 3 | <code>=IMSUB("6+5i", "2+3i")</code> | 4+2i |

| 1 | A | B |
|---|---------------------------------------|-------|
| 4 | =IMSUB("20+5j", "4j") | 20+j |
| 5 | =IMSUB("20+5j", "4") | 16+5j |
| 6 | =IMSUB("20+5j", 4) | 16+5j |
| 7 | =IMSUB(COMPLEX(20, 5), COMPLEX(4, 0)) | 16+5i |

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