Introduction to Complex Numbers · 1

Simplify: $i^2$

Introduction to Complex Numbers · 2

$(-4 + 4i) - (-1 + i)$

$= ___$

Introduction to Complex Numbers · 3

$(2 + 2i)(3i) = ___$

Introduction to Complex Numbers · 4

Simplify: $i^8$

Introduction to Complex Numbers · 5

$(-2 + 2i) + (3 + 4i)$

$= ___$

Introduction to Complex Numbers · 6

$(-1 + 2i)(3 + i) =$

$___$

Introduction to Complex Numbers · 7

Simplify: $i^5$

Introduction to Complex Numbers · 8

$(-2 + i) - (-1 + 3i)$

$= ___$

Introduction to Complex Numbers · 2

**ANSWER**

**-3 + 3i**

Introduction to Complex Numbers · 1

**ANSWER**

**-1**

Introduction to Complex Numbers · 4

**ANSWER**

**1**

Introduction to Complex Numbers · 3

**ANSWER**

**-6 + 6i**

Introduction to Complex Numbers · 6

**ANSWER**

**-5 + 5i**

Introduction to Complex Numbers · 5

**ANSWER**

**1 + 6i**

Introduction to Complex Numbers · 8

**ANSWER**

**-1 - 2i**

Introduction to Complex Numbers · 7

**ANSWER**

**i**

$$(1 + 4i) - (3 + 5i)$$

$$= ___$$



$$(-2 + 3i)(-3 + 4i)$$

$$= ___$$



Simplify: $i^7$



$$(1 + i) - (-5 + i) =$$

$$___$$



$$(-4 + 3i)(5 + 3i) =$$

$$___$$



$$(2 + 5i) + (-5 + 3i)$$

$$= ___$$



$$(6i) - (4 + 6i) =$$

$$___$$



$$(3 + i)(-2 + i) =$$

$$___$$

Introduction to Complex Numbers · 10

**ANSWER**

**-6 - 17i**

Introduction to Complex Numbers · 9

**ANSWER**

**-2 - i**

Introduction to Complex Numbers · 12

**ANSWER**

**6**

Introduction to Complex Numbers · 11

**ANSWER**

**-i**

Introduction to Complex Numbers · 14

**ANSWER**

**-3 + 8i**

Introduction to Complex Numbers · 13

**ANSWER**

**-29 + 3i**

Introduction to Complex Numbers · 16

**ANSWER**

**-7 + i**

Introduction to Complex Numbers · 15

**ANSWER**

**-4**

Introduction to Complex Numbers · 17

$(-2 + 4i) - (-3 + 4i)$

$= ___$

Introduction to Complex Numbers · 18

$(5 + 3i)(6 + i) =$

$___$

Introduction to Complex Numbers · 19

$(4 + i) - (-6 + 3i)$

$= ___$

Introduction to Complex Numbers · 20

$(-3 + 3i) - (4 + i)$

$= ___$

Introduction to Complex Numbers · 21

$(1 + 3i)(3i) = ___$

Introduction to Complex Numbers · 22

$(2 + 4i) - (-1 + 2i)$

$= ___$

Introduction to Complex Numbers · 23

$(3 + 2i)(2 + i) =$

$___$

Introduction to Complex Numbers · 24

$(-2 + 4i) - (1 + 4i)$

$= ___$

Introduction to Complex Numbers · 18

**ANSWER**

**27 + 23i**

Introduction to Complex Numbers · 17

**ANSWER**

**1**

Introduction to Complex Numbers · 20

**ANSWER**

**-7 + 2i**

Introduction to Complex Numbers · 19

**ANSWER**

**10 - 2i**

Introduction to Complex Numbers · 22

**ANSWER**

**3 + 2i**

Introduction to Complex Numbers · 21

**ANSWER**

**-9 + 3i**

Introduction to Complex Numbers · 24

**ANSWER**

**-3**

Introduction to Complex Numbers · 23

**ANSWER**

**4 + 7i**