Introduction to Complex Numbers · 1

Simplify: i^{7}

Introduction to Complex Numbers · 2

$(6 + 7i) - (-4 + 3i)$

$= ___$

Introduction to Complex Numbers · 3

$(-8 + 5i)(9 + i) =$

$___$

Introduction to Complex Numbers · 4

Simplify: i^{16}

Introduction to Complex Numbers · 5

$(6 + 6i) + (8 + 3i)$

$= ___$

Introduction to Complex Numbers · 6

$(-8 + 7i)(7 + 8i) =$

$___$

Introduction to Complex Numbers · 7

Simplify: i^{13}

Introduction to Complex Numbers · 8

$(9 + 7i) + (3 + 7i)$

$= ___$

Introduction to Complex Numbers · 2

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10 + 4i

Introduction to Complex Numbers · 1

ANSWER

-i

Introduction to Complex Numbers · 4

ANSWER

1

Introduction to Complex Numbers · 3

ANSWER

-77 + 37i

Introduction to Complex Numbers · 6

ANSWER

-112 - 15i

Introduction to Complex Numbers · 5

ANSWER

14 + 9i

Introduction to Complex Numbers · 8

ANSWER

12 + 14i

Introduction to Complex Numbers · 7

ANSWER

i

Simplify: i^6

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

$= ___$

$(4 + 6i)(8 + 8i) =$

$___$

Simplify: i^3

$(9 + 4i) - (-7 + 6i)$

$= ___$

$(-6 + 9i)(-2 + 9i)$

$= ___$

$(5 + 9i) - (2i) =$

$___$

$(3 + 9i) - (-2 + 7i)$

$= ___$

Introduction to Complex Numbers · 10

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-1 + 5i

Introduction to Complex Numbers · 9

ANSWER

-1

Introduction to Complex Numbers · 12

ANSWER

-i

Introduction to Complex Numbers · 11

ANSWER

-16 + 80i

Introduction to Complex Numbers · 14

ANSWER

-69 - 72i

Introduction to Complex Numbers · 13

ANSWER

16 - 2i

Introduction to Complex Numbers · 16

ANSWER

5 + 2i

Introduction to Complex Numbers · 15

ANSWER

5 + 7i

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

$$= ___$$

Simplify: i^{17}

$$(-1 + 7i) + (8 + 5i)$$

$$= ___$$

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

$$= ___$$

$$(9 + 7i) - (1 + 8i)$$

$$= ___$$

Simplify: i^{11}

$$(-3 + 5i) + (-9 + 2i) = ___$$

$$(-4 + 3i)(8 + 5i) = ___$$

Introduction to Complex Numbers · 18

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i

Introduction to Complex Numbers · 17

ANSWER

-6 - 12i

Introduction to Complex Numbers · 20

ANSWER

-13 - 16i

Introduction to Complex Numbers · 19

ANSWER

7 + 12i

Introduction to Complex Numbers · 22

ANSWER

-i

Introduction to Complex Numbers · 21

ANSWER

8 - i

Introduction to Complex Numbers · 24

ANSWER

-47 + 4i

Introduction to Complex Numbers · 23

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-12 + 7i