Task card 1 Introduction to Complex Numbers

Simplify: i^{13}

Task card 2 Introduction to Complex Numbers

$(5i) - (5i) =$ ___

Task card 3 Introduction to Complex Numbers

$(-5 + 2i)(6 + i)$

$=$ ___

Task card 4 Introduction to Complex Numbers

Simplify: i^{6}

Task card 5 Introduction to Complex Numbers

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

$6i) =$ ___

Task card 6 Introduction to Complex Numbers

$(5 + 4i)(2 + 2i)$

$=$ ___

Task card 7 Introduction to Complex Numbers

Simplify: i^5

Task card 8 Introduction to Complex Numbers

$(2 + 6i) - (6 + 4i) =$ ___

Task card 9 Introduction to Complex Numbers

Simplify: i^{10}

Task card 10 Introduction to Complex Numbers

$(-7 + 7i) + (-7 + 2i) =$ ___

Task card 11 Introduction to Complex Numbers

$(-6 + 6i)(5 + 2i) =$ ___

Task card 12 Introduction to Complex Numbers

Simplify: i^{14}

Task card 13 Introduction to Complex Numbers

$(-4 + 7i) - (-8 + 7i) =$ ___

Task card 14 Introduction to Complex Numbers

$(7 + 2i)(-3 + i) =$ ___

Task card 15 Introduction to Complex Numbers

Simplify: i^3

Task card 16 Introduction to Complex Numbers

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

Task card 17 Introduction to Complex Numbers

$(9 + 3i) + (-1 + 9i) =$ ___

Task card 18 Introduction to Complex Numbers

$(-3 + 4i)(2 + 9i) =$ ___

Task card 19 Introduction to Complex Numbers

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

___

Task card 20 Introduction to Complex Numbers

$(-8 + 3i)(8 + 5i)$

$=$ ___

Task card 21 Introduction to Complex Numbers

Simplify: i^{15}

Task card 22 Introduction to Complex Numbers

$(6 + 9i) - (-7 + 2i) =$ ___

Task card 23 Introduction to Complex Numbers

Simplify: i^{9}

Task card 24 Introduction to Complex Numbers

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

___

Introduction to Complex Numbers Task Cards

Recording sheet · Grade 11 · Simplify each expression.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Introduction to Complex Numbers Task Cards: Answer Key

Grade 11 · Medium

The answers online

1. i	**2.** 0	**3.** -32 + 7i
4. -1	**5.** -3 + 13i	**6.** 2 + 18i
7. i	**8.** -4 + 2i	**9.** -1
10. -14 + 9i	**11.** -42 + 18i	**12.** -1
13. 4	**14.** -23 + i	**15.** -i
16. 3 + 4i	**17.** 8 + 12i	**18.** -42 - 19i
19. -7	**20.** -79 - 16i	**21.** -i
22. 13 + 7i	**23.** i	**24.** 2 - i