Task card 1 Introduction to Complex Numbers

Simplify: i^7

Task card 2 Introduction to Complex Numbers

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

Task card 3 Introduction to Complex Numbers

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

Task card 4 Introduction to Complex Numbers

Simplify: i^{16}

Task card 5 Introduction to Complex Numbers

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

Task card 6 Introduction to Complex Numbers

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

Task card 7 Introduction to Complex Numbers

Simplify: i^{13}

Task card 8 Introduction to Complex Numbers

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

Task card 9 Introduction to Complex Numbers

Simplify: i^{6}

Task card 10 Introduction to Complex Numbers

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

Task card 11 Introduction to Complex Numbers

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

Task card 12 Introduction to Complex Numbers

Simplify: i^{3}

Task card 13 Introduction to Complex Numbers

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

Task card 14 Introduction to Complex Numbers

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

Task card 15 Introduction to Complex Numbers

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

Task card 16 Introduction to Complex Numbers

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

Task card 17 Introduction to Complex Numbers

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

Task card 18 Introduction to Complex Numbers

Simplify: i^{17}

Task card 19 Introduction to Complex Numbers

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

Task card 20 Introduction to Complex Numbers

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

Task card 21 Introduction to Complex Numbers

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

Task card 22 Introduction to Complex Numbers

Simplify: i^{11}

Task card 23 Introduction to Complex Numbers

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

Task card 24 Introduction to Complex Numbers

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

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 · Hard

The answers online

1. -i	**2.** 10 + 4i	**3.** -77 + 37i
4. 1	**5.** 14 + 9i	**6.** -112 - 15i
7. i	**8.** 12 + 14i	**9.** -1
10. -1 + 5i	**11.** -16 + 80i	**12.** -i
13. 16 - 2i	**14.** -69 - 72i	**15.** 5 + 7i
16. 5 + 2i	**17.** -6 - 12i	**18.** i
19. 7 + 12i	**20.** -13 - 16i	**21.** 8 - i
22. -i	**23.** -12 + 7i	**24.** -47 + 4i