Task card 1 Dividing Complex Numbers

$$(2 - 8i)(2 + 8i) =$$

___

Task card 2 Dividing Complex Numbers

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

___

Task card 3 Dividing Complex Numbers

$$\frac{-23 + 2i}{-2 + 3i} = ___$$

Task card 4 Dividing Complex Numbers

$$\frac{-10 - 26i}{2 - 2i} = ___$$

Task card 5 Dividing Complex Numbers

$$\frac{35 - 5i}{-4 - 3i} = ___$$

Task card 6 Dividing Complex Numbers

$$\frac{38 + 44i}{-1 + 5i} = ___$$

Task card 7 Dividing Complex Numbers

$$\frac{-32 + 7i}{5 - 2i} = ___$$

Task card 8 Dividing Complex Numbers

$$\frac{34}{1 - 4i} = ___$$

Task card 9 Dividing Complex Numbers

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

Task card 10 Dividing Complex Numbers

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

Task card 11 Dividing Complex Numbers

$$\frac{23 + 24i}{3 + 2i} = ___$$

Task card 12 Dividing Complex Numbers

$$\frac{75 + 5i}{5 + 5i} = ___$$

Task card 13 Dividing Complex Numbers

$$\frac{36 + 2i}{-2 - 3i} = ___$$

Task card 14 Dividing Complex Numbers

$$\frac{-22 + 4i}{4 - 3i} = ___$$

Task card 15 Dividing Complex Numbers

$$\frac{-35 - 30i}{-4 + 3i} = ___$$

Task card 16 Dividing Complex Numbers

$$\frac{15}{-1 - 2i} = ___$$

Task card 17 Dividing Complex Numbers

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

Task card 18 Dividing Complex Numbers

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

Task card 19 Dividing Complex Numbers

$$\frac{-39 + 13i}{1 + 5i} = ___$$

Task card 20 Dividing Complex Numbers

$$\frac{40 - 7i}{4 + i} = ___$$

Task card 21 Dividing Complex Numbers

$$\frac{9 - 33i}{-3 - 2i} = ___$$

Task card 22 Dividing Complex Numbers

$$\frac{-16 + 8i}{-2 + 2i} = ___$$

Task card 23 Dividing Complex Numbers

$$\frac{-15 + 15i}{3 + 3i} = ___$$

Task card 24 Dividing Complex Numbers

$$\frac{26}{-3 + 2i} = ___$$

Dividing Complex Numbers Task Cards

Recording sheet · Grade 11 · Simplify. Write each answer in the form a + bi.

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

Dividing Complex Numbers Task Cards: Answer Key

Grade 11 · Hard

The answers online

1. 68	**2.** 61	**3.** 4 + 5i
4. 4 - 9i	**5.** -5 + 5i	**6.** 7 - 9i
7. -6 - i	**8.** 2 + 8i	**9.** 85
10. 113	**11.** 9 + 2i	**12.** 8 - 7i
13. -6 + 8i	**14.** -4 - 2i	**15.** 2 + 9i
16. -3 + 6i	**17.** 10	**18.** 90
19. 1 + 8i	**20.** 9 - 4i	**21.** 3 + 9i
22. 6 + 2i	**23.** 5i	**24.** -6 - 4i