Task card 1 Dividing Complex Numbers

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

Task card 2 Dividing Complex Numbers

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

Task card 3 Dividing Complex Numbers

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

Task card 4 Dividing Complex Numbers

$$\frac{12 - 12i}{4i} = ___$$

Task card 5 Dividing Complex Numbers

$$\frac{12 + 4i}{4i} = ___$$

Task card 6 Dividing Complex Numbers

$$\frac{1 + 3i}{-2 - i} = ___$$

Task card 7 Dividing Complex Numbers

$$\frac{9 - 3i}{-1 + 2i} = ___$$

Task card 8 Dividing Complex Numbers

$$\frac{4 - 8i}{1 + 3i} = ___$$

Task card 9 Dividing Complex Numbers

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

$$= ___$$

Task card 10 Dividing Complex Numbers

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

$$___$$

Task card 11 Dividing Complex Numbers

$$\frac{-4 - 4i}{2i} = ___$$

Task card 12 Dividing Complex Numbers

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

Task card 13 Dividing Complex Numbers

$$\frac{-4 + 2i}{2i} = ___$$

Task card 14 Dividing Complex Numbers

$$\frac{-8 - i}{-2 + 3i} = ___$$

Task card 15 Dividing Complex Numbers

$$\frac{24 + 8i}{-4 - 4i} = ___$$

Task card 16 Dividing Complex Numbers

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

Task card 17 Dividing Complex Numbers

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

Task card 18 Dividing Complex Numbers

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

Task card 19 Dividing Complex Numbers

$$\frac{-14 + 22i}{5 - 3i} = ___$$

Task card 20 Dividing Complex Numbers

$$\frac{5 - 25i}{-2 - 3i} = ___$$

Task card 21 Dividing Complex Numbers

$$\frac{10 + 6i}{-3 + 5i} = ___$$

Task card 22 Dividing Complex Numbers

$$\frac{-11 + 3i}{-3 + 2i} = ___$$

Task card 23 Dividing Complex Numbers

$$\frac{-31 + 8i}{-4 + 5i} = ___$$

Task card 24 Dividing Complex Numbers

$$\frac{21 + 25i}{5 + 4i} = ___$$

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 · Easy

The answers online

1. 5	**2.** 13	**3.** 1 + i
4. -3 - 3i	**5.** 1 - 3i	**6.** -1 - i
7. -3 - 3i	**8.** -2 - 2i	**9.** 13
10. 5	**11.** -2 + 2i	**12.** -1 + i
13. 1 + 2i	**14.** 1 + 2i	**15.** -4 + 2i
16. i	**17.** 34	**18.** 26
19. -4 + 2i	**20.** 5 + 5i	**21.** -2i
22. 3 + i	**23.** 4 + 3i	**24.** 5 + i