Task card 1 Dividing Complex Numbers

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

$$___$$

Task card 2 Dividing Complex Numbers

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

$$= ___$$

Task card 3 Dividing Complex Numbers

$$\frac{2 + 4i}{-1 - i} = ___$$

Task card 4 Dividing Complex Numbers

$$\frac{10 + 23i}{-1 - 4i} = ___$$

Task card 5 Dividing Complex Numbers

$$\frac{5 - 45i}{-4 - 5i} = ___$$

Task card 6 Dividing Complex Numbers

$$\frac{13 - 13i}{3 - 2i} = ___$$

Task card 7 Dividing Complex Numbers

$$\frac{10 + 33i}{5 - 4i} = ___$$

Task card 8 Dividing Complex Numbers

$$\frac{-12 + 18i}{-3 - 3i} = ___$$

Task card 9 Dividing Complex Numbers

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

Task card 10 Dividing Complex Numbers

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

Task card 11 Dividing Complex Numbers

$$\frac{28 - 4i}{-4 + 4i} = ___$$

Task card 12 Dividing Complex Numbers

$$\frac{6 + 18i}{2 + 2i} = ___$$

Task card 13 Dividing Complex Numbers

$$\frac{23 - 15i}{-2 + 3i} = ___$$

Task card 14 Dividing Complex Numbers

$$\frac{-38 - 18i}{3 + 5i} = ___$$

Task card 15 Dividing Complex Numbers

$$\frac{-24 + 16i}{-4 + 4i} = ___$$

Task card 16 Dividing Complex Numbers

$$\frac{1 + 9i}{-4 + 5i} = ___$$

Task card 17 Dividing Complex Numbers

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

Task card 18 Dividing Complex Numbers

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

Task card 19 Dividing Complex Numbers

$$\frac{-25 + 25i}{4 + 3i} = ___$$

Task card 20 Dividing Complex Numbers

$$\frac{-7 + 21i}{3 + i} = ___$$

Task card 21 Dividing Complex Numbers

$$\frac{-4 + 19i}{-5 + 2i} = ___$$

Task card 22 Dividing Complex Numbers

$$\frac{21 + i}{-3 - 5i} = ___$$

Task card 23 Dividing Complex Numbers

$$\frac{3 + 29i}{3 - 5i} = ___$$

Task card 24 Dividing Complex Numbers

$$\frac{18}{-3 + 3i} = ___$$

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 · Medium

The answers online

1. 37	**2.** 18	**3.** -3 - i
4. -6 + i	**5.** 5 + 5i	**6.** 5 - i
7. -2 + 5i	**8.** -1 - 5i	**9.** 13
10. 45	**11.** -4 - 3i	**12.** 6 + 3i
13. -7 - 3i	**14.** -6 + 4i	**15.** 5 + i
16. 1 - i	**17.** 25	**18.** 5
19. -1 + 7i	**20.** 7i	**21.** 2 - 3i
22. -2 + 3i	**23.** -4 + 3i	**24.** -3 - 3i