Task card 1 Quadratic Equations with Complex S...

Solve: $(x + 1)^2 = -49$

Task card 2 Quadratic Equations with Complex S...

Solve: $x^2 - 4x + 53 = 0$

Task card 3 Quadratic Equations with Complex S...

Solve: $3x^2 + 12x + 24 = 0$

Task card 4 Quadratic Equations with Complex S...

Solve: $x^2 + 6x + 45 = 0$

Task card 5 Quadratic Equations with Complex S...

Solve: $(x - 1)^2 = -25$

Task card 6 Quadratic Equations with Complex S...

Solve: $x^2 + 6x + 58 = 0$

Task card 7 Quadratic Equations with Complex S...

Solve: $2x^2 + 20x + 212 = 0$

Task card 8 Quadratic Equations with Complex S...

Solve: $x^2 - 2x + 2 = 0$

Task card 9 Quadratic Equations with Complex S...

Solve: $(x + 1)^2 = -64$

Task card 10 Quadratic Equations with Complex S...

Solve: $x^2 - 6x + 90 = 0$

Task card 11 Quadratic Equations with Complex S...

Solve: $2x^2 - 24x + 234 = 0$

Task card 12 Quadratic Equations with Complex S...

Solve: $x^2 - 4x + 29 = 0$

Task card 13 Quadratic Equations with Complex S...

Solve: $(x + 3)^2 = -9$

Task card 14 Quadratic Equations with Complex S...

Solve: $x^2 + 10x + 74 = 0$

Task card 15 Quadratic Equations with Complex S...

Solve: $2x^2 - 20x + 122 = 0$

Task card 16 Quadratic Equations with Complex S...

Solve: $x^2 - 2x + 82 = 0$

Task card 17 Quadratic Equations with Complex S...

Solve: $(x + 1)^2 = -4$

Task card 18 Quadratic Equations with Complex S...

Solve: $x^2 + 12x + 72 = 0$

Task card 19 Quadratic Equations with Complex S...

Solve: $2x^2 + 8x + 16 = 0$

Task card 20 Quadratic Equations with Complex S...

Solve: $x^2 - 6x + 58 = 0$

Task card 21 Quadratic Equations with Complex S...

Solve: $(x - 6)^2 = -4$

Task card 22 Quadratic Equations with Complex S...

Solve: $2x^2 - 20x + 52 = 0$

Task card 23 Quadratic Equations with Complex S...

Solve: $x^2 - 10x + 41 = 0$

Task card 24 Quadratic Equations with Complex S...

Solve: $(x - 6)^2 = -1$

Quadratic Equations with Complex Solutions Task Cards

Recording sheet · Grade 11 · Solve. Write both solutions, like x = 2 + 3i or x = 2 - 3i.

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

Quadratic Equations with Complex Solutions Task Cards: Answer Key

Grade 11 · Hard

The answers online

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