**Task card 1** Quadratic Equations with Complex S...

Solve: $x^2 + 16 = 0$

**Task card 2** Quadratic Equations with Complex S...

Solve: $x^2 + 9 = 0$

**Task card 3** Quadratic Equations with Complex S...

Solve: $(x - 1)^2 = -16$

**Task card 4** Quadratic Equations with Complex S...

Solve: $x^2 + 1 = 0$

**Task card 5** Quadratic Equations with Complex S...

Solve: $x^2 + 4 = 0$

**Task card 6** Quadratic Equations with Complex S...

Solve: $(x + 3)^2 = -25$

**Task card 7** Quadratic Equations with Complex S...

Solve: $x^2 + 25 = 0$

**Task card 8** Quadratic Equations with Complex S...

Solve: $x^2 + 36 = 0$

**Task card 9** Quadratic Equations with Complex S...

Solve: $(x + 3)^2 = -49$

**Task card 10** Quadratic Equations with Complex S...

Solve: $4x^2 + 196 = 0$

**Task card 11** Quadratic Equations with Complex S...

Solve: $(x - 3)^2 = -16$

**Task card 12** Quadratic Equations with Complex S...

Solve: $2x^2 + 50 = 0$

**Task card 13** Quadratic Equations with Complex S...

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

**Task card 14** Quadratic Equations with Complex S...

Solve: $3x^2 + 48 = 0$

**Task card 15** Quadratic Equations with Complex S...

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

**Task card 16** Quadratic Equations with Complex S...

Solve: $x^2 - 12x + 40 = 0$

**Task card 17** Quadratic Equations with Complex S...

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

**Task card 18** Quadratic Equations with Complex S...

Solve: $(x + 5)^2 = -16$

**Task card 19** Quadratic Equations with Complex S...

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

**Task card 20** Quadratic Equations with Complex S...

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

**Task card 21** Quadratic Equations with Complex S...

Solve: $(x + 1)^2 = -9$

**Task card 22** Quadratic Equations with Complex S...

Solve: $(x + 4)^2 = -9$

**Task card 23** Quadratic Equations with Complex S...

Solve: $4x^2 + 16 = 0$

**Task card 24** Quadratic Equations with Complex S...

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

# Quadratic Equations with Complex Solutions Task Cards

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

Scan to check your answers

Name: _____ Date: _____

| | | | |
|---|---|---|---|
| 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 · Easy

The answers online

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