Task card 1 Solving Polynomial Equations by Fa...

Solve: $x^3 - x = 0$

Task card 2 Solving Polynomial Equations by Fa...

Solve: $x^3 - 5x^2 + 4x = 0$

Task card 3 Solving Polynomial Equations by Fa...

Solve: $x^3 - 4x = 0$

Task card 4 Solving Polynomial Equations by Fa...

Solve: $x^3 - 5x^2 + 6x = 0$

Task card 5 Solving Polynomial Equations by Fa...

Solve: $x^3 - 9x = 0$

Task card 6 Solving Polynomial Equations by Fa...

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

Task card 7 Solving Polynomial Equations by Fa...

Solve: $x^3 - 16x = 0$

Task card 8 Solving Polynomial Equations by Fa...

Solve: $x^3 - x^2 - 12x = 0$

Task card 9 Solving Polynomial Equations by Fa...

Solve: $x^3 - x^2 - 6x = 0$

Task card 10 Solving Polynomial Equations by Fa...

Solve: $x^3 - 25x = 0$

Task card 11 Solving Polynomial Equations by Fa...

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

Task card 12 Solving Polynomial Equations by Fa...

Solve: $x^3 - 6x^2 + 8x = 0$

Task card 13 Solving Polynomial Equations by Fa...

Solve: $x^3 + 2x^2 - 8x = 0$

Task card 14 Solving Polynomial Equations by Fa...

Solve: $x^3 + 3x^2 - 4x - 12 = 0$

Task card 15 Solving Polynomial Equations by Fa...

Solve: $x^3 + x^2 - 16x - 16 = 0$

Task card 16 Solving Polynomial Equations by Fa...

Solve: $x^3 + 6x^2 - 9x - 54 = 0$

Task card 17 Solving Polynomial Equations by Fa...

Solve: $x^3 + 6x^2 - 25x - 150 = 0$

Task card 18 Solving Polynomial Equations by Fa...

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

Task card 19 Solving Polynomial Equations by Fa...

Solve: $x^3 + 3x^2 - 4x = 0$

Task card 20 Solving Polynomial Equations by Fa...

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

Task card 21 Solving Polynomial Equations by Fa...

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

Task card 22 Solving Polynomial Equations by Fa...

Solve: $x^3 - 7x^2 + 10x = 0$

Task card 23 Solving Polynomial Equations by Fa...

Solve: $x^3 + 3x^2 - 10x = 0$

Task card 24 Solving Polynomial Equations by Fa...

Solve: $x^3 + 4x^2 + 3x = 0$

Solving Polynomial Equations by Factoring Task Cards

Recording sheet · Grade 11 · Find all real solutions. List them in increasing order, separated by commas (for example: -3, 0, 2).

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

Solving Polynomial Equations by Factoring Task Cards: Answer Key

Grade 11 · Easy

The answers online

1. -1, 0, 1	**2.** 0, 1, 4	**3.** -2, 0, 2
4. 0, 2, 3	**5.** -3, 0, 3	**6.** 0, 1, 2
7. -4, 0, 4	**8.** -3, 0, 4	**9.** -2, 0, 3
10. -5, 0, 5	**11.** -2, -1, 0	**12.** 0, 2, 4
13. -4, 0, 2	**14.** -3, -2, 2	**15.** -4, -1, 4
16. -6, -3, 3	**17.** -6, -5, 5	**18.** -1, 0, 3
19. -4, 0, 1	**20.** -3, 0, 1	**21.** -2, 0, 1
22. 0, 2, 5	**23.** -5, 0, 2	**24.** -3, -1, 0