Task card 1 Dividing Polynomials

Divide: $(x^3 - 17x^2 + 77x - 45) \div (x - 9)$

Task card 2 Dividing Polynomials

Divide: $(x^3 + 7x^2 + 8x + 2) \div (x + 1)$

Task card 3 Dividing Polynomials

Divide: $(x^3 + 2x^2 + x - 4) \div (x - 1)$

Task card 4 Dividing Polynomials

Divide: $(x^3 + 16x^2 + 63x) \div (x + 9)$

Task card 5 Dividing Polynomials

Divide: $(x^3 - 2x^2 + 10x - 9) \div (x - 1)$

Task card 6 Dividing Polynomials

Divide: $(x^3 - 34x + 45) \div (x - 5)$

Task card 7 Dividing Polynomials

Divide: $(x^3 + 3x^2 - 33x - 35) \div (x - 5)$

Task card 8 Dividing Polynomials

Divide: $(x^3 + 5x^2 + 11x + 7) \div (x + 1)$

Task card 9 Dividing Polynomials

Divide: $(x^3 - 10x^2 + 15x + 8) \div (x - 8)$

Task card 10 Dividing Polynomials

Divide: $(x^3 + 2x^2 - 23x - 40) \div (x + 5)$

Task card 11 Dividing Polynomials

Divide: $(x^3 + x^2 - 65x + 63) \div (x - 7)$

Task card 12 Dividing Polynomials

Divide: $(x^3 + x^2 - 4x + 32) \div (x + 4)$

Task card 13 Dividing Polynomials

Divide: $(x^3 - 9x^2 + 18x) \div (x - 6)$

Task card 14 Dividing Polynomials

Divide: $(x^3 - 12x^2 + 30x - 9) \div (x - 3)$

Task card 15 Dividing Polynomials

Divide: $(x^3 - 13x^2 + 43x - 24) \div (x - 8)$

Task card 16 Dividing Polynomials

Divide: $(x^3 + 14x^2 + 53x + 30) \div (x + 6)$

Task card 17 Dividing Polynomials

Divide: $(x^3 + 2x^2 + 2x + 4) \div (x + 2)$

Task card 18 Dividing Polynomials

Divide: $(x^3 - 12x^2 + 30x + 36) \div (x - 6)$

Task card 19 Dividing Polynomials

Divide: $(x^3 - 5x^2 - 2x + 24) \div (x - 3)$

Task card 20 Dividing Polynomials

Divide: $(x^3 - 11x^2 + 35x - 25) \div (x - 5)$

Task card 21 Dividing Polynomials

Divide: $(x^3 - 12x^2 + 26x + 63) \div (x - 7)$

Task card 22 Dividing Polynomials

Divide: $(x^3 + 4x^2 - 17x + 10) \div (x - 2)$

Task card 23 Dividing Polynomials

Divide: $(x^3 + 11x^2 + 22x + 36) \div (x + 9)$

Task card 24 Dividing Polynomials

Divide: $(x^3 - 10x^2 + 19x + 30) \div (x - 6)$

Dividing Polynomials Task Cards

Recording sheet · Grade 11 · Divide. Assume the division is exact (remainder 0).

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 Polynomials Task Cards: Answer Key

Grade 11 · Hard

The answers online

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