Task card 1 Factoring Out the GCF of a Polynom...

Factor: $3x^2 + 9x$

Task card 2 Factoring Out the GCF of a Polynom...

Factor: $20x^2 + 15x$

Task card 3 Factoring Out the GCF of a Polynom...

Factor: $10x^2 + 15x$

Task card 4 Factoring Out the GCF of a Polynom...

Factor: $16x^2 + 12x$

Task card 5 Factoring Out the GCF of a Polynom...

Factor: $16x^2 + 4x$

Task card 6 Factoring Out the GCF of a Polynom...

Factor: $9x^2 + 12x$

Task card 7 Factoring Out the GCF of a Polynom...

Factor: $4x^2 + 6x$

Task card 8 Factoring Out the GCF of a Polynom...

Factor: $4x^2 + 16x$

Task card 9 Factoring Out the GCF of a Polynom...

Factor: $8x^2 - 20x$

Task card 10 Factoring Out the GCF of a Polynom...

Factor: $12x^2 + 20x$

Task card 11 Factoring Out the GCF of a Polynom...

Factor: $9x^2 - 3x$

Task card 12 Factoring Out the GCF of a Polynom...

Factor: $10x^2 + 25x$

Task card 13 Factoring Out the GCF of a Polynom...

Factor: $5x^2 - 5x$

Task card 14 Factoring Out the GCF of a Polynom...

Factor: $3x^2 + 6x$

Task card 15 Factoring Out the GCF of a Polynom...

Factor: $6x^2 + 10x$

Task card 16 Factoring Out the GCF of a Polynom...

Factor: $8x^2 - 2x$

Task card 17 Factoring Out the GCF of a Polynom...

Factor: $30m^2 + 36m$

Task card 18 Factoring Out the GCF of a Polynom...

Factor: $5p^2 - 5p$

Task card 19 Factoring Out the GCF of a Polynom...

Factor: $15m^2 + 18m$

Task card 20 Factoring Out the GCF of a Polynom...

Factor: $4n^2 - 16n$

Task card 21 Factoring Out the GCF of a Polynom...

Factor: $4n^2 + 12n$

Task card 22 Factoring Out the GCF of a Polynom...

Factor: $15r^2 + 5r$

Task card 23 Factoring Out the GCF of a Polynom...

Factor: $35x^2 - 21x$

Task card 24 Factoring Out the GCF of a Polynom...

Factor: $4x^2 - 10x$

Factoring Out the GCF of a Polynomial Task Cards

Recording sheet · Grade 9 · Factor out the greatest common factor, like $9x^2 - 27x = 9x(x - 3)$.

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

Factoring Out the GCF of a Polynomial Task Cards: Answer Key

Grade 9 · Easy

The answers online

1. 3x(x + 3)	**2.** 5x(4x + 3)	**3.** 5x(2x + 3)
4. 4x(4x + 3)	**5.** 4x(4x + 1)	**6.** 3x(3x + 4)
7. 2x(2x + 3)	**8.** 4x(x + 4)	**9.** 4x(2x - 5)
10. 4x(3x + 5)	**11.** 3x(3x - 1)	**12.** 5x(2x + 5)
13. 5x(x - 1)	**14.** 3x(x + 2)	**15.** 2x(3x + 5)
16. 2x(4x - 1)	**17.** 6m(5m + 6)	**18.** 5p(p - 1)
19. 3m(5m + 6)	**20.** 4n(n - 4)	**21.** 4n(n + 3)
22. 5r(3r + 1)	**23.** 7x(5x - 3)	**24.** 2x(2x - 5)