Task card 1 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $3x^2 + 18x + 24$

Task card 2 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $2x^2 + 6x + 4$

Task card 3 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $2x^2 + 12x + 16$

Task card 4 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $2x^2 + 10x + 12$

Task card 5 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $3x^2 + 15x + 18$

Task card 6 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $3x^2 + 12x + 9$

Task card 7 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $2x^2 + 8x + 6$

Task card 8 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $3x^2 + 15x + 12$

Task card 9 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $2x^2 + 16x + 30$

Task card 10 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $4x^2 + 4x - 48$

Task card 11 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $4x^2 - 36x + 80$

Task card 12 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $4x^2 - 12x + 8$

Task card 13 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $3x^2 + 24x + 45$

Task card 14 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $4x^2 + 36x + 80$

Task card 15 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $6x^2 - 51x + 90$

Task card 16 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $6x^2 + 26x - 20$

Task card 17 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $12x^2 - 16x - 16$

Task card 18 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $6x^2 + 26x - 60$

Task card 19 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $6x^2 + 27x + 30$

Task card 20 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $4x^2 + 10x - 24$

Task card 21 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $12x^2 - 20x - 48$

Task card 22 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $12x^2 + 64x + 64$

Task card 23 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $2x^2 + 14x + 24$

Task card 24 Factoring $ax^2 + bx + c$ Completely...

Factor completely: $2x^2 + 10x + 8$

Factoring $ax^2 + bx + c$ Completely (GCF First) Task Cards

Recording sheet · Grade 9 · Factor completely. Take out the GCF first, then factor what is left, like $2(3x - 1)(x + 4)$.

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 $ax^2 + bx + c$ Completely (GCF First) Task Cards: Answer Key

Grade 9 · Easy

The answers online

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