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

Factor completely: $9p^2 + 48p + 63$

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

Factor completely: $6p^2 + 45p + 84$

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

Factor completely: $12m^2 + 87m + 21$

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

Factor completely: $15r^2 + 25r - 10$

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

Factor completely: $12k^2 + 21k - 6$

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

Factor completely: $12m^2 + 39m + 30$

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

Factor completely: $9n^2 - 39n - 90$

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

Factor completely: $20x^2 + 125x - 105$

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

Factor completely: $8n^2 + 16n - 10$

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

Factor completely: $20m^2 + 26m - 60$

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

Factor completely: $50k^2 - 30k - 8$

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

Factor completely: $50k^2 + 65k + 20$

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

Factor completely: $20r^2 - 75r + 45$

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

Factor completely: $120y^2 + 246y + 120$

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

Factor completely: $60n^2 + 102n + 18$

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

Factor completely: $24r^2 + 50r - 14$

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

Factor completely: $120n^2 + 52n - 12$

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

Factor completely: $32p^2 + 32p - 10$

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

Factor completely:

$16y^2 - 44y + 18$

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

Factor completely:

$180p^2 + 360p + 175$

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

Factor completely:

$36m^2 + 30m + 6$

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

Factor completely: $48r^2 - 48r + 9$

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

Factor completely:

$50k^2 - 145k + 50$

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

Factor completely:

$36k^2 - 159k + 168$

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 · Medium

The answers online

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