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

Factor completely: $30p^2 + 132p + 48$

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

Factor completely: $84y^2 - 301y + 252$

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

Factor completely: $54y^2 + 126y - 48$

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

Factor completely: $30k^2 + 38k - 112$

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

Factor completely: $30r^2 + 96r - 270$

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

Factor completely: $70k^2 + 217k - 98$

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

Factor completely: $4p^2 + 26p + 42$

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

Factor completely: $35p^2 - 294p + 343$

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

Factor completely: $24p^2 - 78p + 63$

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

Factor completely: $8y^2 - 40y + 18$

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

Factor completely: $105y^2 + 91y + 14$

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

Factor completely: $50k^2 - 255k + 280$

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

Factor completely: $70k^2 + 231k + 140$

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

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

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

Factor completely: $42x^2 + 77x - 49$

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

Factor completely: $32n^2 - 32n - 42$

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

Factor completely: $40m^2 + 118m + 84$

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

Factor completely: $9n^2 + 33n + 24$

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

Factor completely: $60r^2 - 128r + 64$

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

Factor completely: $28x^2 + 217x + 147$

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

Factor completely: $18r^2 + 72r + 64$

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

Factor completely: $100k^2 - 100k - 24$

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

Factor completely: $6n^2 + 8n - 14$

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

Factor completely: $90y^2 + 66y + 12$

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 ax² + bx + c Completely (GCF First) Task Cards: Answer Key

Grade 9 · Hard

The answers online

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