Task card 1 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $9x^2 - 18x + 5$

Task card 2 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $3x^2 + 16x + 16$

Task card 3 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $3x^2 + 8x - 35$

Task card 4 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $12x^2 - 5x - 25$

Task card 5 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $8x^2 - 22x + 15$

Task card 6 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $9x^2 - 12x - 5$

Task card 7 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $4x^2 - 13x + 3$

Task card 8 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $6x^2 - 29x + 28$

Task card 9 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $5x^2 + 13x + 6$

Task card 10 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $12x^2 + 37x + 21$

Task card 11 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $6x^2 + 7x - 49$

Task card 12 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $15x^2 + 4x - 35$

Task card 13 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $4x^2 - 9x + 2$

Task card 14 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $10x^2 + 31x + 15$

Task card 15 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $20x^2 - 27x + 9$

Task card 16 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $8x^2 - 6x - 35$

Task card 17 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $10x^2 - 47x + 9$

Task card 18 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $3x^2 + 2x - 8$

Task card 19 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $4x^2 - 13x - 12$

Task card 20 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $2x^2 + 13x + 15$

Task card 21 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $3x^2 + 29x + 40$

Task card 22 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $6x^2 - 13x - 28$

Task card 23 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $15x^2 + 7x - 4$

Task card 24 Factoring $ax^2 + bx + c$ ($a \neq 1$)

Factor: $20x^2 - 61x + 45$

Factoring $ax^2 + bx + c$ ($a \neq 1$) Task Cards

Recording sheet · Grade 9 · Factor each trinomial into two binomials, like $(2x + 3)(x - 4)$.

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

Factoring $ax^2 + bx + c$ ($a \neq 1$) Task Cards: Answer Key

Grade 9 · Medium

The answers online

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