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

Factor: $20x^2 - 33x + 10$

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

Factor: $15x^2 - 38x + 7$

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

Factor: $3x^2 + 10x - 8$

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

Factor: $16x^2 + 40x + 9$

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

Factor: $3x^2 - 25x + 28$

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

Factor: $30x^2 + 11x + 1$

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

Factor: $5x^2 + 21x - 20$

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

Factor: $12x^2 - 56x + 9$

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

Factor: $18x^2 - 21x + 5$

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

Factor: $8x^2 + 18x + 7$

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

Factor: $9x^2 - 18x - 7$

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

Factor: $16x^2 - 32x - 9$

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

Factor: $24x^2 + 70x + 49$

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

Factor: $15x^2 + 16x + 4$

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

Factor: $3x^2 + 20x + 25$

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

Factor: $15x^2 + 47x + 36$

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

Factor: $8x^2 - 2x - 1$

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

Factor: $12x^2 - 35x + 8$

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

Factor: $12x^2 + 44x + 7$

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

Factor: $30x^2 - 71x + 42$

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

Factor: $6x^2 + 7x - 24$

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

Factor: $15x^2 + 43x + 30$

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

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

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

Factor: $6x^2 + 23x + 21$

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 · Hard

The answers online

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