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

Factor: $3x^2 + 7x + 2$

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

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

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

Factor: $3x^2 + 11x + 6$

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

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

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

Factor: $3x^2 + 14x + 8$

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

Factor: $2x^2 + 11x + 12$

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

Factor: $2x^2 + 3x + 1$

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

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

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

Factor: $2x^2 + 3x - 5$

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

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

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

Factor: $3x^2 - 17x + 20$

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

Factor: $2x^2 + 7x + 3$

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

Factor: $3x^2 + 7x - 6$

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

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

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

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

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

Factor: $3x^2 - 7x - 20$

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

Factor: $4x^2 + 5x + 1$

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

Factor: $4x^2 - 11x - 20$

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

Factor: $3x^2 + 17x + 10$

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

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

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

Factor: $3x^2 + 17x - 6$

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

Factor: $4x^2 + 5x - 6$

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

Factor: $3x^2 - 11x + 6$

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

Factor: $3x^2 + 4x + 1$

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 · Easy

The answers online

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