

When Is a Wrestler “King of the Ring”?

Factor each trinomial below. Find your answer and notice the letter next to it. Write this letter in the box containing the number of that exercise. Keep working and you will get the gripping answer to the title question.

① $n^2 + 6n + 5$

② $n^2 + 7n + 10$

③ $n^2 - 7n + 12$

④ $n^2 - 11n + 28$

⑤ $n^2 + 2n - 15$

⑥ $n^2 - 5n - 24$

⑦ $n^2 + n - 56$

Answers:

Ⓕ $(n + 2)(n + 6)$

Ⓗ $(n + 5)(n - 3)$

Ⓦ $(n + 5)(n + 1)$

Ⓔ $(n - 3)(n - 4)$

Ⓑ $(n - 1)(n + 15)$

Ⓢ $(n + 8)(n - 7)$

Ⓗ $(n + 2)(n + 5)$

Ⓔ $(n - 8)(n + 3)$

Ⓡ $(n - 12)(n - 2)$

Ⓝ $(n - 7)(n - 4)$

⑧ $t^2 + 10t + 16$

⑨ $t^2 - 15t + 50$

⑩ $t^2 + 8t - 9$

⑪ $t^2 - 7t - 30$

⑫ $t^2 - t - 30$

⑬ $t^2 + 14t + 48$

⑭ $t^2 + 8t - 48$

Answers:

Ⓝ $(t - 6)(t + 5)$

Ⓥ $(t - 25)(t + 2)$

Ⓣ $(t - 5)(t - 10)$

Ⓣ $(t + 6)(t + 8)$

Ⓞ $(t - 10)(t + 3)$

Ⓑ $(t + 15)(t - 2)$

Ⓘ $(t + 8)(t + 2)$

Ⓗ $(t - 4)(t + 12)$

Ⓢ $(t + 9)(t - 1)$

Ⓐ $(t - 24)(t + 2)$

⑮ $a^2 + 5ab + 6b^2$

⑯ $a^2 - 4ab - 21b^2$

⑰ $a^2 + 6ab - 7b^2$

⑱ $a^2 - 14ab - 32b^2$

⑲ $a^2 - 29ab + 100b^2$

⑳ $a^2 + 7ab - 18b^2$

㉑ $a^2 + 2ab + b^2$

Answers:

Ⓚ $(a - 8b)(a + 4b)$

Ⓗ $(a + 7b)(a - b)$

Ⓐ $(a - 20b)(a + 5b)$

Ⓔ $(a + 2b)(a + 3b)$

Ⓦ $(a + 9b)(a - 2b)$

Ⓣ $(a - 7b)(a + 3b)$

Ⓞ $(a - 25b)(a - 4b)$

Ⓢ $(a + 6b)(a + 3b)$

Ⓝ $(a + b)(a + b)$

Ⓡ $(a - 16b)(a + 2b)$



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What Did They Say About the Man Who Drank Shellac?

Do each exercise below and find your answer in the set of answers to the right of that exercise. Write the letter of your answer in the box containing the number of that exercise.

① $(x + 4)(x + 2)$

② $(x + 7)(x + 1)$

③ $(x - 6)(x - 3)$

④ $(x + 8)(x - 2)$

⑤ $(x - 7)(x + 4)$

⑥ $(x - 2)(x - 9)$

Ⓜ $x^2 - 9x + 18$

Ⓐ $x^2 - 11x + 18$

Ⓢ $x^2 - 5x - 28$

Ⓜ $x^2 + 6x + 8$

Ⓐ $x^2 + 6x - 16$

Ⓝ $x^2 + 4x + 7$

Ⓔ $x^2 + 8x + 7$

Ⓓ $x^2 - 3x - 28$

Ⓡ $x^2 - 2x + 18$

Ⓛ $x^2 + 3x - 16$

⑦ $(2u + 4)(u + 1)$

⑧ $(3u + 7)(u - 3)$

⑨ $(4u - 2)(5u - 1)$

⑩ $(2u + 1)(9u - 5)$

⑪ $(7u - 4)(3u + 6)$

⑫ $(5u - 8)(4u - 4)$

Ⓛ $21u^2 + 30u - 24$

Ⓥ $20u^2 - 14u + 2$

Ⓤ $3u^2 + u - 21$

Ⓞ $3u^2 - 2u - 21$

Ⓣ $18u^2 + 2u - 5$

Ⓛ $2u^2 + 6u + 4$

Ⓢ $21u^2 + 23u - 24$

Ⓨ $20u^2 - 52u + 32$

Ⓔ $18u^2 - u - 5$

Ⓝ $20u^2 - 41u + 32$

⑬ $(2x + y)(x + 3y)$

⑭ $(3x - y)(8x - y)$

⑮ $(2x + y)(4x - 3y)$

⑯ $(5x - 2y)(3x + 4y)$

⑰ $(7x + 3y)(x + 2y)$

⑱ $(6x + 6y)(2x - 4y)$

Ⓔ $8x^2 + xy - 3y^2$

Ⓝ $8x^2 - 2xy - 3y^2$

Ⓕ $2x^2 + 7xy + 3y^2$

Ⓡ $7x^2 + 8xy + 6y^2$

Ⓛ $24x^2 - 11xy + y^2$

Ⓣ $12x^2 - 9xy - 24y^2$

Ⓜ $12x^2 - 12xy - 24y^2$

Ⓐ $15x^2 + 9xy - 8y^2$

Ⓢ $7x^2 + 17xy + 6y^2$

Ⓛ $15x^2 + 14xy - 8y^2$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
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