

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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Why Didn't Klutz Do Any Homework on Saturday?



Either multiply or factor, as directed, and find your answer in the adjacent answer column. Write the letter of that exercise in the box that contains the number of the answer.

Multiply:

- 1 $(a + 5)(a - 5)$
 D $(2 + 3a)(2 - 3a)$
 E $(7a - 1)(7a + 1)$
 N $(a^2 - 6)(a^2 + 6)$
 A $(4a + b)(4a - b)$
 O $(2a^2 - 5b)(2a^2 + 5b)$

- 4 $16a^2 - b^2$
 13 $49a^2 - 1$
 6 $a^2 - 25$
 17 $4a^4 - 25b^2$
 15 $4 - 9a^2$
 12 $4a^4 - 36$
 24 $a^4 - 36$

Factor:

- S $x^2 - y^2$
 I $4x^2 - 49y^2$
 W $81x^2 - 100y^2$
 E $36x^2 - 121y^2$
 O $9x^2 - 64y^2$
 N $x^4 - 400$
- 3 $(9x + 10y)(9x - 10y)$
 5 $(x + y)(x - y)$
 7 $(x^2 + 20)(x^2 - 20)$
 11 $(6x + 11y)(6x - 11y)$
 16 $(3x + 7y)(3x - 7y)$
 22 $(2x + 7y)(2x - 7y)$
 23 $(3x + 8y)(3x - 8y)$

Factor:

- E $n^2 - 49$
 A $n^2 - 1$
 N $81 - n^2$
 H $4n^2 - 9$
 I $49n^2 - 16$
 E $144 - 25n^2$
- 1 $(2n + 3)(2n - 3)$
 10 $(12 + 5n)(12 - 5n)$
 8 $(n + 1)(n - 1)$
 5 $(7n + 3)(7n - 3)$
 2 $(n + 7)(n - 7)$
 18 $(9 + n)(9 - n)$
 20 $(7n + 4)(7n - 4)$

Factor:

- T $a^6 - b^4$
 C $25a^8 - 9b^4$
 W $a^2b^2 - 36$
 D $16 - a^4b^6$
 K $a^2b^4 - c^8$
 N $4a^{16} - 225$
- 19 $(4 + a^2b^3)(4 - a^2b^3)$
 14 $(2a^8 + 15)(2a^8 - 15)$
 21 $(a^3 + b^2)(a^3 - b^2)$
 12 $(ab^2 + c^4)(ab^2 - c^4)$
 9 $(ab + 6)(ab - 6)$
 16 $(5a^4 + 3b^2)(5a^4 - 3b^2)$
 10 $(4 + ab^4)(4 - ab^4)$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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