

What Did the Girl Melon Say When the Boy Melon Proposed Marriage?

Circle the number-letter pair next to each TRUE statement below. Write the letter in the matching numbered box at the bottom of the page. (Hint: You should circle eight number-letter pairs in each column.)

- 3-S $(x + 5)(x + 2) = x^2 + 7x + 10$
- 9-A $(t - 7)(t - 1) = t^2 - 8t + 7$
- 6-L $(n - 9)(n - 3) = n^2 - 6n + 27$
- 16-E $(u - 3)(u + 6) = u^2 + 3u - 18$
- 6-T $(a + 9)(a - 8) = a^2 + a - 72$
- 7-R $(x + 4)(x - 10) = x^2 - 14x - 40$
- 14-O $(3m + 1)(m + 5) = 3m^2 + 16m + 5$
- 5-N $(8d + 3)(2d + 1) = 16d^2 + 14d + 4$
- 7-I $(2k - 4)(3k - 2) = 6k^2 - 16k + 8$
- 12-E $(x + 8)(2x - 6) = 2x^2 + 10x - 48$
- 2-A $(4n - 2)(n + 5) = 4n^2 + 22n - 10$
- 1-Y $(3v - 2)(5v + 4) = 15v^2 + 2v - 8$
- 11-I $(2y + 9)(3y - 1) = 5y^2 + 25y - 9$

- 5-U $(2w - 6)(5w + 4) = 10w^2 - 22w - 24$
- 8-D $(8x - 1)(4x + 3) = 32x^2 + 24x - 3$
- 11-T $(3x + 2)(3x - 2) = 9x^2 - 4$
- 4-B $(a + b)(2a + b) = 2a^2 + 3ab + b^2$
- 15-A $(2c + 6d)(c - d) = 2c^2 + 8cd - 6d^2$
- 2-E $(4x - y)(3x + 2y) = 12x^2 + 5xy - 2y^2$
- 8-C $(2u - 5v)(2u - 8v) = 4u^2 - 26uv + 40v^2$
- 10-P $(9a + b)(2a + 5b) = 18a^2 + 47ab - 5b^2$
- 13-R $(2a - 2b)(a + 10b) = 2a^2 - 8ab - 20b^2$
- 15-P $(7m + n)(m - 3n) = 7m^2 - 20mn - 3n^2$
- 10-N $(x^2 - 4)(x^2 - 9) = x^4 - 13x^2 + 36$
- 3-D $(k^2 - 6)(k^2 + 3) = k^4 - 9k^2 - 18$
- 13-L $(x^2 + 2y)(x^2 - 2y) = x^4 - 4y^2$

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