

Famous Old Dudes

Multiplying Binomials

Name: _____ Class Period: _____ Date: _____

Who wrote, "Anyone who cannot cope with mathematics is not fully human. At best he is a tolerable subhuman who has learned to wear shoes, bathe, and not make messes in the house"?

Use FOIL to multiply each binomial. Find the answer in the box. Put the letter next to the answer in the spot for the question below.

1. $(x + 9)(x + 4)$

6. $(3x - 7)(5x + 5)$

11. $(x^2 + 6)(6x^2 - 6)$

2. $(x - 2)(x + 6)$

7. $(4x - 9)(7x - 1)$

12. $(3x - 21y)(4x + 3y)$

3. $(x + 7)(x - 3)$

8. $(8x + 2)(9x - 3)$

13. $(4x - 9)(4x + 9)$

4. $(x - 5)(x - 8)$

9. $(2x + 11)(x + 3)$

14. $(3x^2 - 9)(2x^2 + 4)$

5. $(x - 1)(x + 1)$

10. $(-6x - 6)(x + 4)$

15. $(6x + 7y)(2x - 9y)$

<http://www.mathops.com/free/standards/pl04-a1pl004.php>

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PL 4: Multiplying Binomials - MathOps



1907-1988

American Science Fiction
Writer

O: $x^2 - 13x + 40$

I: $-6x^2 - 30x - 24$

H: $16x^2 - 81$

N: $x^2 - 1$

E: $2x^2 + 17x + 33$

E: $28x^2 - 67x + 9$

R: $x^2 + 4x - 21$

B: $12x^2 - 40xy - 63y^2$

L: $72x^2 - 6x - 6$

N: $x^2 + 4x - 12$

E: $12x^2 - 75xy - 63y^2$

R: $6x^4 - 6x^2 - 36$

I: $x^2 + 13x + 36$

T: $15x^2 - 20x - 35$

A: $6x^4 + 30x^2 - 36$

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

For help with this worksheet go to [Mathops.com](http://www.mathops.com) Section 14 Lesson 4.

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PL 4