The Weekly Rigor

No. 306

"A mathematician is a machine for turning coffee into theorems."

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20 Problems in Multiplying a Polynomial by a Polynomial (Part 1)

PROBLEMS

Find each indicated product.

1. (a + b)(c + d).

2. (a - b)(c - d).

3. (a+b)(a+b).

4. (a - b)(a - b).

5. (a+b)(a-b).

6. (a+b)(a+b)(a+b).

7. (a-b)(a-b)(a-b).

8. $(a+b)(a^2-2ab+b^2)$.

9. $(a-b)(a^2+2ab+b^2)$.

10. (a + b + c)(a + b + c).

"Only he who never plays, never loses."

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