

# The Weekly Rigor

No. 312

“A mathematician is a machine for turning coffee into theorems.”

June 13, 2020

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## 40 Problems in Factoring by the *ac*-Method (Part 1)

### PROBLEMS

For each of the following expressions, factor by the *ac*-method.

1.  $2x^2 + 7x + 3$ .

2.  $2x^2 + 5x + 3$ .

3.  $2x^2 - 7x + 3$ .

4.  $2x^2 - 5x + 3$ .

5.  $2x^2 + 5x - 3$ .

6.  $2x^2 - 5x - 3$ .

“Only he who never plays, never loses.”

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