

# The Weekly Rigor

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No. 337

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

December 5, 2020

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## 20 Problems in Dividing a Polynomial by a Polynomial (Part 2)

5.  $\frac{a^2 - 2ax + x^2}{a - x}.$

6.  $\frac{a^2 - ax - 6x^2}{a + 2x}.$

7.  $\frac{m^3+2m^2n-mn^2-2n^3}{m+2n}.$

8.  $\frac{a^3-3a^2b+3ab^2-b^3}{a-b}.$

“Only he who never plays, never loses.”

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