

The Weekly Rigor

No. 332

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

October 31, 2020

30 Problems in Reducing Complex Fractions to Simple Fractions (Part 3)

$$17. \frac{\frac{-3}{2} - \frac{3}{x}}{x - y}.$$

$$18. \frac{\frac{-5}{4} - \frac{8}{x}}{x - y}.$$

$$19. \frac{\frac{2}{x} - 3}{\frac{3}{y} + 4}.$$

$$20. \frac{1 + \frac{3}{x}}{1 - \frac{6}{x}}.$$

$$21. \frac{3 + \frac{2}{n+4}}{5 - \frac{1}{n+4}}.$$

$$22. \frac{\frac{3}{n-5} - 2}{1 - \frac{4}{n-5}}.$$

$$23. 1 + \frac{x}{1 + \frac{1}{x}}.$$

$$24. 1 - \frac{n}{1 - \frac{1}{n}}.$$

“Only he who never plays, never loses.”