The Weekly Rigor

No. 296

"A mathematician is a machine for turning coffee into theorems." February 22, 2020

10 Problems in Solving First-Degree Inequalities Involving Fractional Forms (Part 2)

7. $\frac{1}{4}x - \frac{4}{3}x < -13.$

8.
$$x + \frac{2}{7} > \frac{x}{2} - 5$$
.

9. $\frac{x-3}{3}$	$\frac{1}{x+2} + \frac{x+2}{5}$	$\frac{2}{5} \leq \frac{3}{5}$.	10	$\frac{4-x}{5}$ +	$+\frac{x+1}{6} \ge 2.$
3	3	5		3	0

ANSWERS

1. (4,∞)	2. (4,∞)
3. (5,∞)	4. (−∞,3)
5. (-∞,36)	6. (−∞,4]
7. (12,∞)	8. $\left(-\frac{74}{7},\infty\right)$
9. (-∞,1]	10. (−∞,−31]

"Only he who never plays, never loses."

Written and published every Saturday by Richard Shedenhelm	WeeklyRigor@gmail.com
······································	······································