

What Do You Call It When Somebody Spends The Whole Day Making Pottery?

Solve the equation (check each solution in the original equation). Find your answer below and cross out the letters above it. When you finish, the letters that remain will answer the title question.

1. $\frac{4}{x+2} + \frac{3}{x+5} = \frac{5}{x^2+7x+10}$

2. $y + \frac{6}{y} = 5$

3. $\frac{7}{n+4} - \frac{2}{n-3} = \frac{2n-9}{n^2+n-12}$

4. $\frac{a}{a+5} = \frac{3}{a+1}$

5. $\frac{4d}{d+3} + d = \frac{8}{d+3}$

6. $\frac{3}{m-1} = \frac{2m}{m+4}$

7. $\frac{5}{u+2} + \frac{u}{u-2} = \frac{8}{u^2-4}$

8. $\frac{t+2}{t-1} + \frac{4}{t-5} = \frac{6}{t^2-6t+5}$

9. $2 = \frac{x}{x+3} - \frac{3}{x-5}$

10. $\frac{2}{p} + 3 = \frac{7}{p+6}$

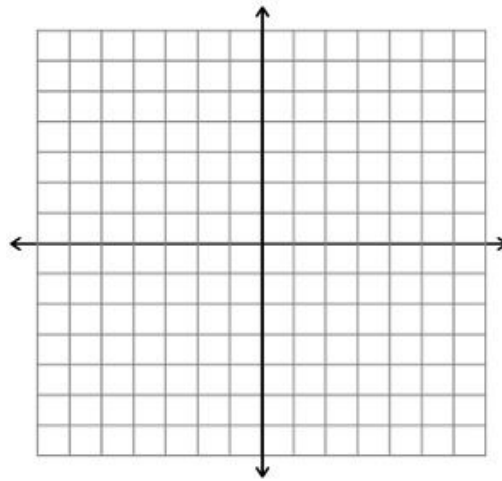
TH 2, 3	AT 1, -8	KI -2, -5	SS 3, -7	SP 5, -3	LN 2, 6	OT -9
IN 4, $-\frac{3}{2}$	TI -6	RE 4, -5	ST -3	SO $-3, -\frac{4}{3}$	ME 4, -7	SS $\frac{20}{3}$

No Calculator

11. Decide if $x+3$ is a factor of $P(x)$. If it is, find all the zeros, graph and write in factored form. If not find y when $x = 3$.

$$P(x) = -2x^3 - 5x^2 + 24x + 63$$

12. Graph #11 without a Calculator. **MAKE SURE YOU LABEL.**



13. Subtract, Simplify, then find the domain:

$$\frac{x+9}{x-4} - \frac{22x+3}{x^2-x-12}$$

DOMAIN:

14. Find the volume of

