

Did You Hear About...



A	B	C	D	E	F
G	H	I	J	K	L
					?

Solve each equation below. Find your answer in one of the answer columns and notice the word next to it. Write this word in the box above that contains the letter of that exercise. Keep working and you will hear about a college "eye deal."

11 WANTED	(A) $\frac{1}{9} + \frac{1}{x} = \frac{4}{9}$	(G) $\frac{x}{2x+6} - \frac{1}{x+3} = 1$	7 PROFESSOR
-8 HAD	(B) $\frac{2}{5} + \frac{1}{x} = \frac{1}{2}$	(H) $\frac{1}{m+5} = \frac{2}{m^2-25}$	$\frac{3}{4}$ EYED
-6 STUDENTS	(C) $\frac{5}{4x} + \frac{1}{x} = 3$	(I) $\frac{1}{y+3} = \frac{7}{y-3} - \frac{2}{y^2-9}$	$-\frac{2}{9}$ SUBJECTS
3 THE	(D) $\frac{7}{n-3} = \frac{4}{n}$	(J) $\frac{x-3}{2x-4} = \frac{x}{x-2} + 2$	1 OVER
$-\frac{11}{3}$ CONTROL	(E) $\frac{8}{5x} - \frac{2}{3x} = \frac{4}{15}$	(K) $\frac{x+5}{x^2-x} - \frac{3}{x} = \frac{1}{x-1}$	7 NO
$\frac{1}{8}$ REASON	(F) $\frac{a+5}{4a} + \frac{11}{12} = \frac{2}{3a}$	(L) $\frac{n+3}{n} - \frac{n+2}{n+5} = \frac{1}{n}$	$\frac{9}{5}$ A
10 CROSS			$-\frac{1}{2}$ WHO
$\frac{8}{3}$ HIS			-2 PUPILS
-4 COLLEGE			$\frac{5}{12}$ THAT

OBJECTIVE 3-g: To solve fractional equations (solving a quadratic equation is not required).

What Sound Did the Sheep Hear When Her Sister Exploded?



Solve each equation and find your answer in the rectangle below. Cross out the box that contains your answer. When you finish, write the letters from the remaining boxes in the spaces at the bottom of the page.

$$\textcircled{1} \quad \frac{2}{x+3} + \frac{3}{x+4} = \frac{7}{x^2 + 7x + 12}$$

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

$$\textcircled{3} \quad \frac{a-30}{a^2 + 4a - 21} = \frac{5}{a+7} - \frac{2}{a-3}$$

$$\textcircled{4} \quad \frac{x}{x+4} = \frac{3}{x-1}$$

$$\textcircled{5} \quad \frac{6}{y+2} + \frac{1}{y-2} = 1$$

$$\textcircled{6} \quad \frac{3}{n} + \frac{2}{n-1} = 2$$

$$\textcircled{7} \quad 2 = \frac{x}{x+3} - \frac{3}{x-5}$$

$$\textcircled{8} \quad \frac{1}{d-7} + \frac{d}{d-2} = \frac{5}{d^2 - 9d + 14}$$

$$\textcircled{9} \quad \frac{x-1}{x+1} - \frac{6}{x-3} = 3$$

YE	SI	CK	SB	AM	SH	OO	FR	KO	MB	IG	UP	AH	ER
6, 1	-5, 2	-1	-9	-3, 1	$-\frac{1}{2}$	2, 8	-7, 3	-2	$\frac{1}{4}, -1$	$\frac{1}{2}, 3$	$\frac{4}{3}$	$\frac{1}{3}, 5$	6, -2