

$$\frac{x(3x)}{2(3x)} = \frac{2(6)}{x(6)} + \frac{x(x)}{6(x)}$$

$$\frac{x(3x)}{x(6)} = \frac{x(x)}{x(6)}$$

$$\frac{x(x)}{x(6)} = \frac{x(x)}{x(6)} = \frac{x(x)}{x(6)}$$

$$\frac{x(x)}{x(6)} = \frac{x(x)}{x(6)} = \frac{$$

$$\frac{x(3x)}{2(3x)} - \frac{2(6)}{x(6)} + \frac{x(x)}{6(x)}$$

$$\frac{3x^{2} - 12 + x^{2}}{6x}$$

$$\frac{4(x^{2} - 3)}{6x} - \frac{2(x^{2} - 3)}{3x}$$

Now multiply the 3 fractions instead

$$\frac{x}{2} = \frac{2}{36} \Rightarrow \frac{x}{6}$$
 $\frac{-1x}{6}$

$$(6x) \frac{x}{2} - (26x) + \frac{x}{6} = 0(6x)$$

$$3x^{2} - 12 + x^{2} = 0$$

$$2|x^{2} - 12| = 0$$

$$4x^{2} = 12$$

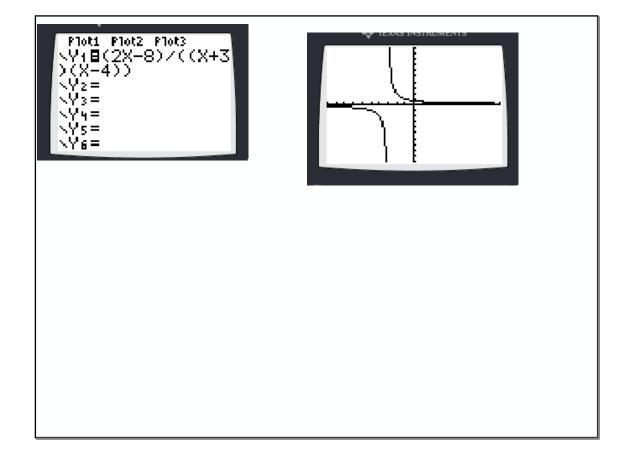
$$x^{2} = 3$$

$$x^{2} = 3$$

$$x^{3} = 3$$

$$\frac{3}{2} - 2 + \frac{6}{x^2} = 0$$

$$\int_{-\infty}^{\infty} \frac{1}{1+3} \frac{1$$



g

$$3x^{2} - 27 \times 3x(x-9)$$

$$3x^{2} - 27 \longrightarrow 3(x^{2}-9) \rightarrow 3(x+3)(x)$$

$$4x^{2} - 4 \xrightarrow{\text{option 1}} 3(x^{2}-2) \rightarrow 2 \cdot 2(x^{2}-1)$$

$$4(x+1)(x-1)$$

$$2(x+1) \cdot 2(x-1)$$

- HW QUESTIONS

$$\frac{1}{\chi+2} + \frac{3}{\chi^{2}-4}$$

$$\frac{1}{\chi+2} + \frac{3}{(\chi+2)(\chi-2)}$$

$$\frac{1}{(\chi+2)(\chi-2)}$$

$$\frac{3}{2\chi+4} - \frac{\chi}{\chi^2+4\chi+4}$$

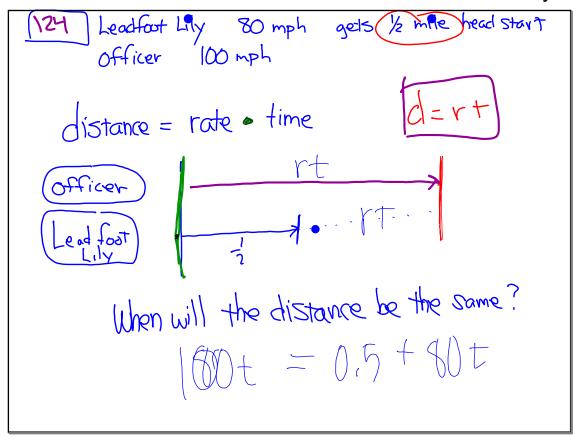
$$\frac{2}{2x^{+4}} - \frac{x}{x^{2} + 4x + 4}$$

$$\frac{3(x+2)}{2(x+2)(x+2)} - \frac{2}{2(x+2)(x+2)}$$

$$\frac{2}{2(x+2)(x+2)} - \frac{2}{2(x+2)^{2}}$$

$$\frac{2x+5}{2x+2}$$

$$40 = (2x+5)(2x+2)$$



(126) a $25x^2 - 1$

Ch. 3 TEST TOMORROW

because of the shorter periods (wed/Thur Advisory schedule)

you will not have time to assemble your homework before the test so, do it today and staple it today

[there will be a review assignment today that will be added to the sheet Next Chapter]

Agenda

- 1) Helpful hints about the test
- 2) Arrange/staple your assignments
- 3 Review Asignment
 [3] ~ 129, 127 bc, 128 £, 131, 133
 - (4) Extra Practice Review Sheet with answers

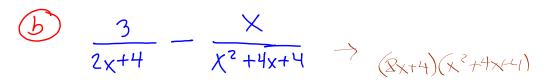
If multiplying or deviding dividing

no common denominator

when adding subtracting Retional Functions once you have a common denominator

Combine to one

but only after you factor everything first!



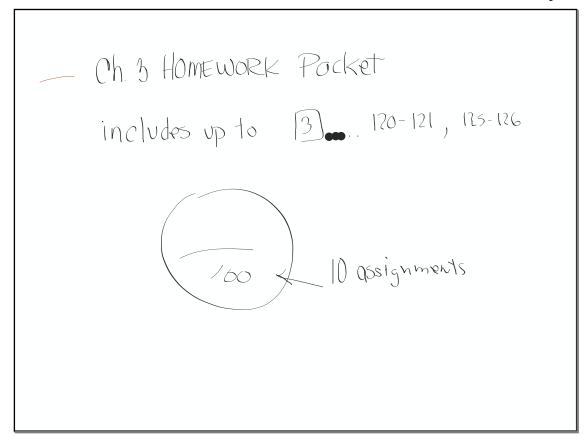
Factoring can take up a lot of space depending on the problem. I don't need to see this work so show factoring work on scratch paper on the test.

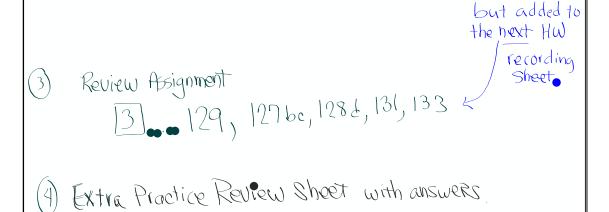
Two types of scratch paper.

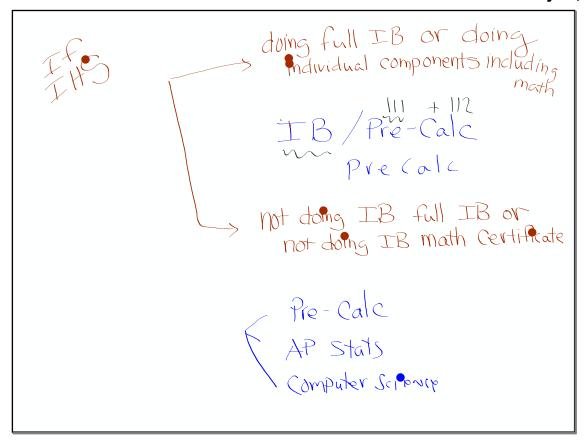
just scratch.... but must turn it in. Name not necessary.

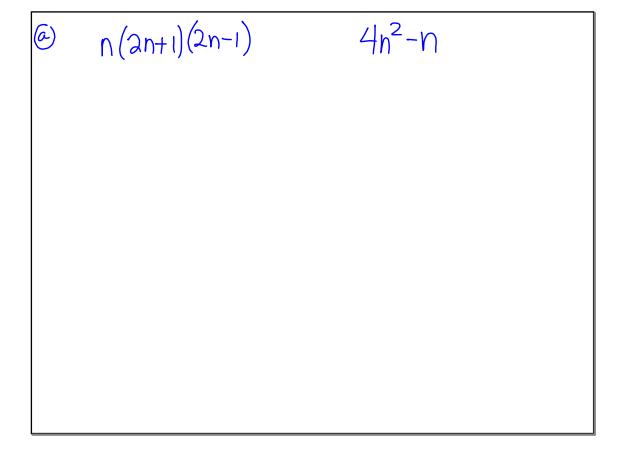
However, if you you run out of room on a problem or you don't want to erase then add your name and staple it to your test.

Write a note "see scratch paper"







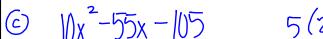


(2x-1)²
$$4x^2-1$$

$$(2x-1)^{2} \qquad 4x^{2}-1$$

$$(2x-1)(2x-1) \qquad \neq 4x^{2}-1$$

$$NO$$



© $10x^2-55x-105$ 5(2x+3)(X-7)

$$\left(\frac{4x}{-2x^8}\right)^3 - 8x^{12}$$

(e)
$$2x - 3y = 6$$

$$y = \frac{2}{3}x + 6$$

108

613

| February 19, 2 |
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