Happy Thursday, September 29th!

Do Now:

Write the equation for a graph that has a hole at x=4 a vertical asymptote at x=-2, and a horizontal asymptote at y=2.

$$\frac{2x(x-4)}{(x-4)(x+a)}$$

 $\frac{4x'(x-4)}{2x(x-4)(x+2)}$

Sep 29-7:42 AM

Quiz tomorrow will cover:

U2LT4 I can construct a model to find max/mins.

U2LT5 I can find a function's inverse.

U2LT6 I can find the average rate of change under a given function

U2LT7 I can graph rational functions.

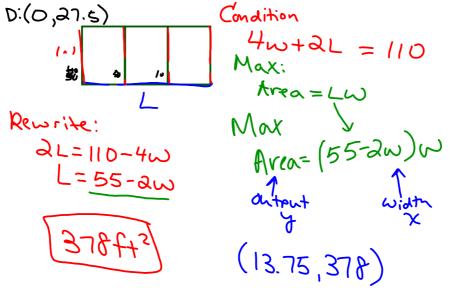
But remember, Unit 2 test is next Thursday, so these grades will be replaced!

Sep 29-7:48 AM

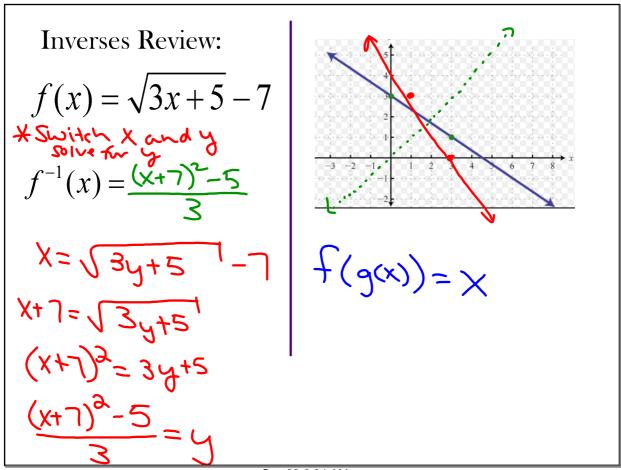
Let's look at your homework...What problems do you want to see?

Using models:

Angelina and Sara are building a really weird fence. They want it to look like the picture below. They only have 110 feet of fencing. What is the maximum area their yard after it being fenced in?



Sep 29-8:01 AM



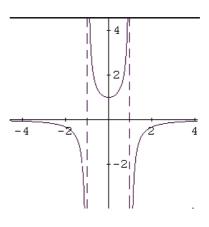
Average Rate of Change:

$$f(x) = 3x^2 - 6x + 9$$

Find the average Rate of Change: (0,7) (0,7) (-2,5) (-2,5)Find the average Rate of Change: (3(49)-42+9)-9 (3(49)-42+9)-9 (-6,7) (-

Sep 29-8:14 AM

Graphing Rationals:



Exit Ticket:
Finish the sentence
In order to be successful on the quiz tomorrow, tonight I will
Sep 29-8:19 AM