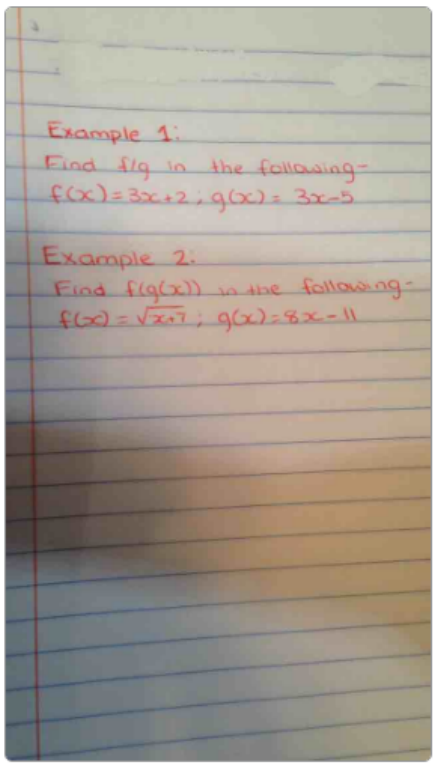
Yup



Jan 2nd 6:27:29 pm

Welcome Clancy, I'm finding you a tutor ASAP.

Jan 2nd 6:27:32 pm

The tutor will look over your problem quickly and then you can get going.🚀

Jan 2nd 6:27:34 pm

Got it!

Jan 2nd 6:27:35 pm

Did you start on the problem, even just a little?

Jan 2nd 6:27:38 pm

If so, take a 📷 of your work so I can send it to the tutor. There's no such thing as sending too little work 😊

Jan 2nd 6:27:41 pm

Naw

Jan 2nd 6:27:44 pm

No worries 😊 your tutor can help you from the beginning!

Jan 2nd 6:27:46 pm

TUTOR FOUND, NOW REVIEWING PROBLEM AT NO CHARGE

Jan 2nd 6:27:47 pm

Sounds good

Jan 2nd 6:27:49 pm

Want the most out of Yup? Here's a tip!

Jan 2nd 6:27:52 pm

All Yup tutors are real people, so please treat them with respect.

Jan 2nd 6:27:55 pm

Cool, how about another?

Jan 2nd 6:27:59 pm

Sure!

Jan 2nd 6:28:02 pm

SESSION STARTED AT 10:28 AM

Jan 2nd 6:28:05 pm

Hi Clancy. Welcome back to Yup. :)

Jan 2nd 6:28:11 pm ✓ ***Introduction: Greets student by name and welcomes them to Yup***

Hi!

Jan 2nd 6:28:19 pm

With which problem do you want help with?

Jan 2nd 6:28:23 pm

Both if possible haha

Jan 2nd 6:28:34 pm

Yes, sure. :) Let's start with the first one.

Jan 2nd 6:28:51 pm

How much progress have you made so far? Or are you unsure of how to start?

Jan 2nd 6:28:55 pm ✓ ***A1: Determine progress***

Perfect!

I'm unsure of how to start. I think once I get the ball rolling I'll remember how to do it. But I can't remember for the life of me!

Jan 2nd 6:29:25 pm

Oh that's okay. Let's get the ball rolling then. We are given the functions f(x) and g(x) and we need to f(x) / g(x). What do you think f(x) /g(x) means?

Jan 2nd 6:30:37 pm ✓ ***A1: Probe the student's understanding of concepts***

Maybe f(x) over g(x)? Like division or a fraction form

Jan 2nd 6:31:12 pm

Exactly! That's correct! We simply need to divide the functions.

Jan 2nd 6:31:49 pm ✓ ***B2: Clarifies step further***

Awesome !

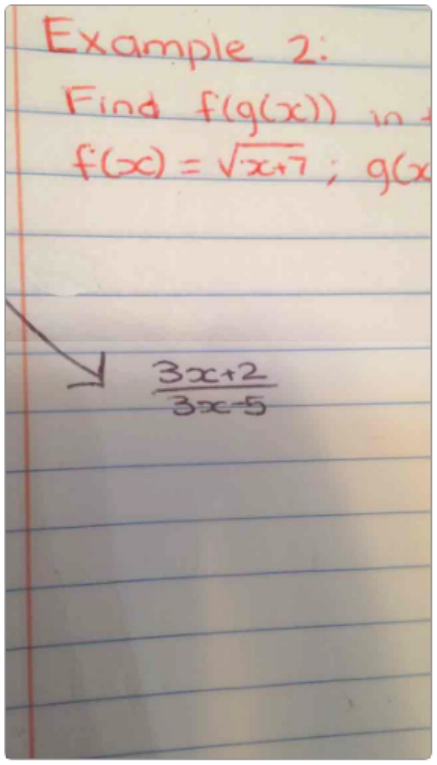
Jan 2nd 6:31:56 pm

So, what do you think f(x) /g(x) would be?

Jan 2nd 6:32:06 pm ✓ ***C3: Invite student to proceed with step***

Hmmm

Jan 2nd 6:32:38 pm



Jan 2nd 6:33:07 pm

That's correct! Nice work :)

Jan 2nd 6:33:19 pm ✓ ***C2: Encouraging language***

Oh cool. Easier than I thought!

Jan 2nd 6:33:45 pm

Very well then. :) Let's move to the next problem.

Jan 2nd 6:34:08 pm

Great

Jan 2nd 6:34:15 pm

What do you think f(g(x)) means?

Jan 2nd 6:34:22 pm ✓ ***A1: Probe the student's understanding of concepts***

I'm not too sure but maybe something to do with multiplying with foil?

Jan 2nd 6:35:13 pm

Hmm, that's a good thought but that isn't really needed here.

Jan 2nd 6:36:01 pm ✓ ***C2: Acknowledge student's mistake without causing stress***

A for effort 😎

Jan 2nd 6:36:14 pm

Agreed! :) Let's consider an example to understand what f(g(x)) means.

Jan 2nd 6:36:57 pm ✓ ***C1: Adapt instruction to student gap***

Sounds good

Jan 2nd 6:37:08 pm

✓ ***B2: Demonstrate concept using similar example***

Let's say we have a function f(x)= x +4.

Jan 2nd 6:37:25 pm

Now, if we wanted to have f(a) for the same function, we would replace the x's by a's and get f(a) = a+4, right?

Jan 2nd 6:38:04 pm

Yes sir

Jan 2nd 6:38:23 pm

Great! In the same way, if we were given another function g(x)=x^2 and we want to find f(g(x)) we would repeat the same thing as we did for f(a).

Jan 2nd 6:39:47 pm

But instead of replacing all the x's with a's we will replace all the x's in f(x) with the g(x).

Jan 2nd 6:40:15 pm

Since, f(x) =x+4 and g(x)= x^2, the f(g(x)) would be g(x) +4 or x^2 +4.

Jan 2nd 6:41:33 pm

Please give me a moment to upload an image for your better understanding.

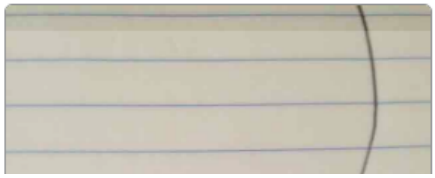
Jan 2nd 6:41:50 pm

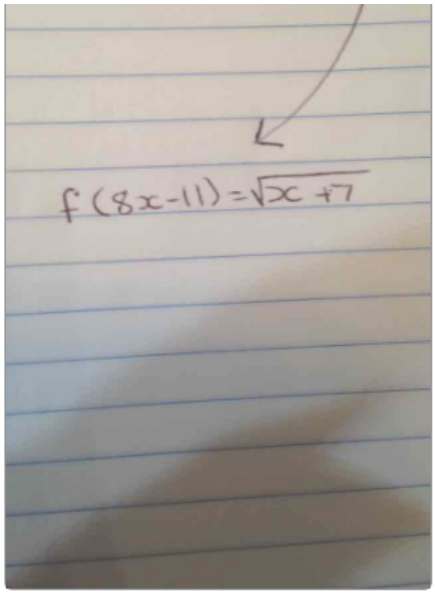
No worries :)

Jan 2nd 6:41:59 pm

So I just tried to apply that to my problem. Not sure if it's right or not..

Jan 2nd 6:42:27 pm





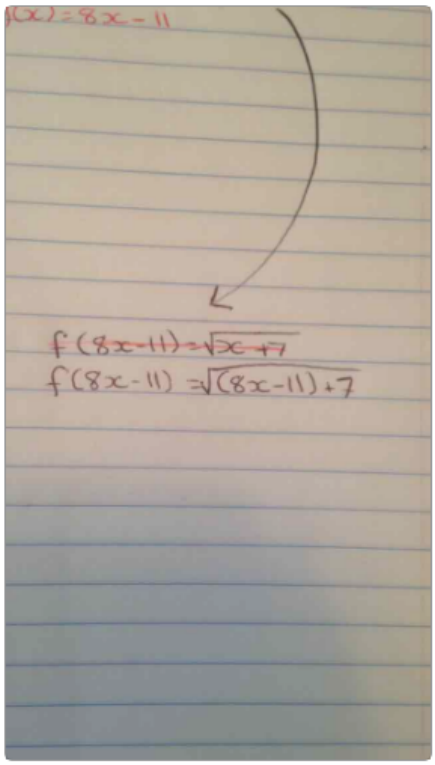
Jan 2nd 6:42:32 pm

You are close! Note that we have to replace ALL the x's with g(x), that includes the x on the right side too.

Jan 2nd 6:43:26 pm ✓ ***C1: Tutor redirects student's mistake without causing stress***

Ohhh

Jan 2nd 6:43:37 pm



Jan 2nd 6:44:11 pm

Nice work, you got it!

Jan 2nd 6:44:29 pm ✓ ***C2: Positive language***

Oh sweet !

Jan 2nd 6:44:37 pm

Keep in mind that on the left side we could simply write f(g(x)) instead of f(8x-11), however both mean the same thing.

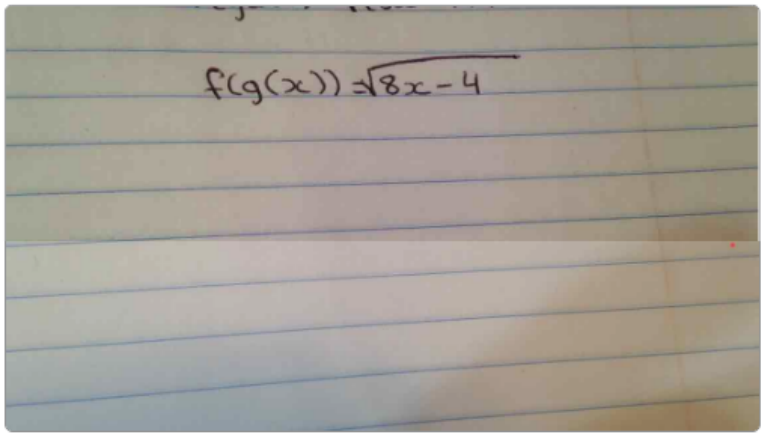
Jan 2nd 6:45:15 pm ✓ ***B2: Clarifies step further***

Okay, will fix that up :)

Jan 2nd 6:45:31 pm

Great! So, what do you think would be the final answer?

Jan 2nd 6:45:49 pm ✓ ***C3: Invite student to proceed independently***



Jan 2nd 6:47:07 pm

Maybe

Jan 2nd 6:47:08 pm

Awesome job :)

Jan 2nd 6:47:40 pm ✓ ***C2: Encouraging words / punctuation***

Cool! Thanks for your help!

Jan 2nd 6:47:57 pm

You are welcome! Is there anything else that I can help you with?

Jan 2nd 6:48:05 pm ✓ ***Tutor checks to see if the student needs further help***

I think that's it! Thank you very much for your time! Happy new year :)

Jan 2nd 6:48:29 pm

Happy new year to you too. :)

Jan 2nd 6:48:44 pm ✓ ***Conclusion: Warm send off***

Thanks for using Yup! Have a good one. :)

Jan 2nd 6:48:49 pm ✓ ***Conclusion: Tutor thanks student for using Yup***

You too!

Jan 2nd 6:49:58 pm

Student ended session

Jan 2nd 6:50:00 pm