

Jan 24th 4:51:07 pm

Hey Makayla S - welcome back 😃

Jan 24th 4:51:10 pm

You are being connected to a tutor right now!

Jan 24th 4:51:12 pm

Yupppppp 👈

Jan 24th 4:51:16 pm

Have you started on the problem at all?

Jan 24th 4:51:19 pm

f lpha your work and share with your tutor. There's no such thing as sharing too little work $f \circ$

Jan 24th 4:51:21 pm

Naw

Jan 24th 4:51:24 pm

TUTOR FOUND, NOW REVIEWING PROBLEM AT NO CHARGE

Jan 24th 4:51:26 pm

No worries \odot your tutor can help you from the beginning!

Jan 24th 4:51:27 pm

Got it!

Well.... while we wait, here's a tip to make your Yup experience even better Jan 24th 4:51:33 pm Yup believes teaching you how to solve problems is better than giving you answers. 100 Jan 24th 4:51:37 pm Cool, how about another? Jan 24th 4:51:42 pm Sure! Jan 24th 4:51:45 pm Let the tutor know whenever something does not make sense. They are there to help you! + Jan 24th 4:51:48 pm SESSION STARTED AT 10:51 AM Jan 24th 4:51:49 pm Hi mAKAYLA s! I'll be your tutor for this session. Jan 24th 4:52:02 pm Hey! Jan 24th 4:52:12 pm How are you doing today? Jan 24th 4:52:19 pm Good Jan 24th 4:52:25 pm Can you tell me how far you have gotten on this problem? Jan 24th 4:52:36 pm I havent started Jan 24th 4:52:52 pm No worries, we'll tackle it together. Jan 24th 4:53:17 pm Okay Jan 24th 4:53:26 pm How do i know the domain of a function? Jan 24th 4:53:47 pm

Jan 24th 4:53:50 pm

And range

We are asked if the function $f(x)=-x^4$ is even or odd?			
Jan 24th 4:53:52 pm			
		(
		l	Its even
		Jan 24th	4:54:10 pm
Very good!			
Jan 24th 4:54:22 pm			
Let's work on domain and range.			
Jan 24th 4:54:39 pm			
			Okay
		Jan 24th	4:54:51 pm
		04112141	
What do you remember about the domain of a function?			
Jan 24th 4:55:00 pm			
	I dont ro	ally know	anuthing
			anythinf
		Jan 2401	4:55:13 pm
The domain is the set of all possible x-values which will make the function "work", and will output real y-v	values.		
Jan 24th 4:55:44 pm			
When finding the domain, remember:			
Jan 24th 4:56:16 pm			
The denominator (bottom) of a fraction cannot be zero.			
Jan 24th 4:56:28 pm			
2. The number under a square root sign must be positive in this section.			
Jan 24th 4:56:41 pm			
Do we have any bottom term in our function?			
Jan 24th 4:57:04 pm			
			No
		Jan 24th	4:57:11 pm
Good!			
Jan 24th 4:57:16 pm			
	So	would it	just be 1
		Jan 24th	4:57:29 pm

Is there any square root function in our problem?

Jan 24th 4:57:31 pm

Jan 24th 4:57:48 pm

I dont know lol and yes?

Jan 24th 4:58:13 pm

Do we have square root function in our problem $f(x)=-x^4$?

Jan 24th 4:58:43 pm

No

Jan 24th 4:58:57 pm

That is correct!

Jan 24th 4:59:04 pm

So this function does not have any restrictions on taking the values of x.

Jan 24th 4:59:50 pm

Whatever the value of x we take, we get a real value for y.

Jan 24th 5:00:20 pm

So what can we tell about the domain?

Jan 24th 5:00:30 pm

Im confused

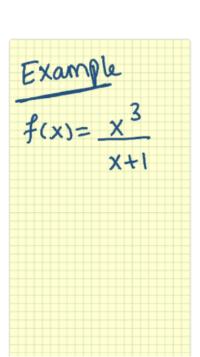
Jan 24th 5:01:04 pm

Let me share an example. Is that fine with you?

Jan 24th 5:01:39 pm

Yes

Jan 24th 5:01:51 pm



Jan 24th 5:02:06 pm

Do you see the image shared?

Jan 24th 5:02:16 pm

Us

Jan 24th 5:02:32 pm

Yes

Jan 24th 5:02:34 pm

Do we have any bottom term here?

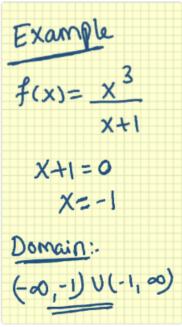
Jan 24th 5:02:38 pm

Yes

Jan 24th 5:02:47 pm

So we just equate the bottom term to 0 and solve for x.

Jan 24th 5:03:19 pm



Jan 24th 5:03:43 pm

When we equate the denominator to 0, we get x=-1.

Jan 24th 5:03:58 pm

So for x=-1, the denominator becomes 0 right?

Jan 24th 5:04:10 pm

Yes

Jan 24th 5:04:20 pm

Is it possible to divide a number by 0?

Jan 24th 5:04:49 pm

So we exclude x=-1 from the domain.

Jan 24th 5:05:08 pm

It means that, this function can take any value of x in the universe except x=-1

Jan 24th 5:05:30 pm

For example, if you take x=0, we get f(x)=0.

Jan 24th 5:05:54 pm

If you take x=1, f(x)=1/2.

Jan 24th 5:06:03 pm

Student ended session

Jan 24th 5:06:44 pm