

# CASIO Academy



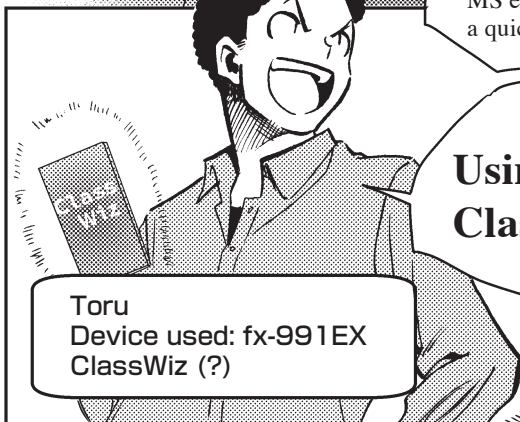
ClassWiz Edition



V  
R  
F  
M  
O  
O

**Function Field Battle!**

**Kaito!**  
Hope you're ready to lose today.  
I'm gonna take out your old MS even if you demonstrate a quick shot.



Toru  
Device used: fx-991EX  
ClassWiz (?)

**Using this latest ClassWiz!**



Kaito  
Device used: fx-991MS  
S-V.P.A.M

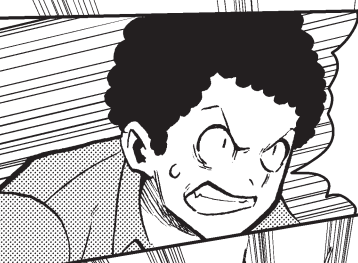




BOOM

POW

Ha!  
Here comes  
a quadratic  
function with a  
good angle!



Rats!  
You read the  
coefficient!

$$f'(x) = \frac{d}{dx}(-x^2 + x)|_{x=0}$$



Time to strike back  
with a differential  
coefficient!

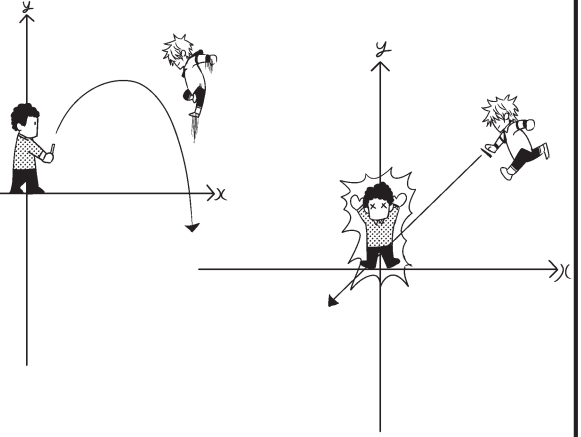
BOOM

Hit!

The field is  
cleared!



# Casio Academy



Yeh!!



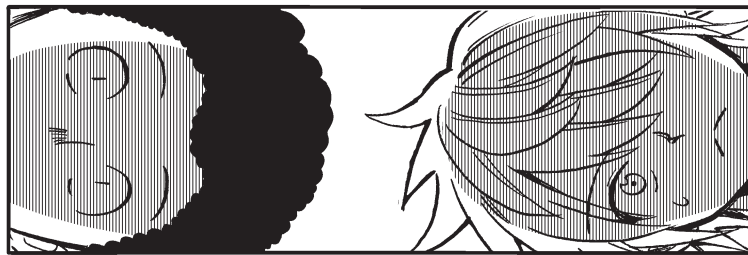
Function Field Battle is a game that expresses formulas and functions as power vectors! Calculate the functions quickly and accurately in order to swiftly attack your opponent!

Kaito and his friends compete every day to increase their Math Power!

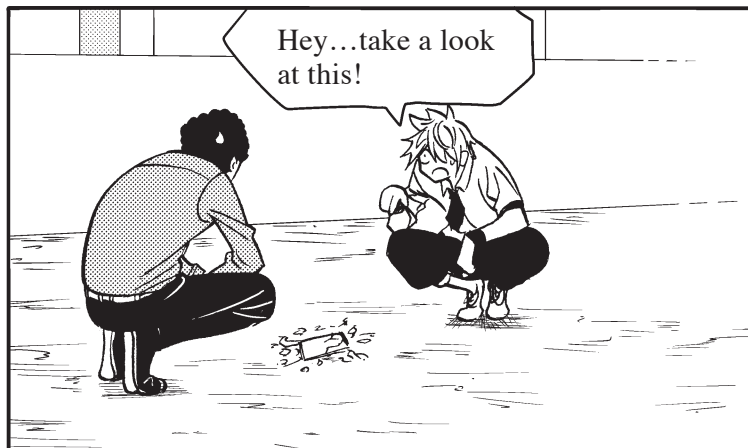


Oh no! My Casio!

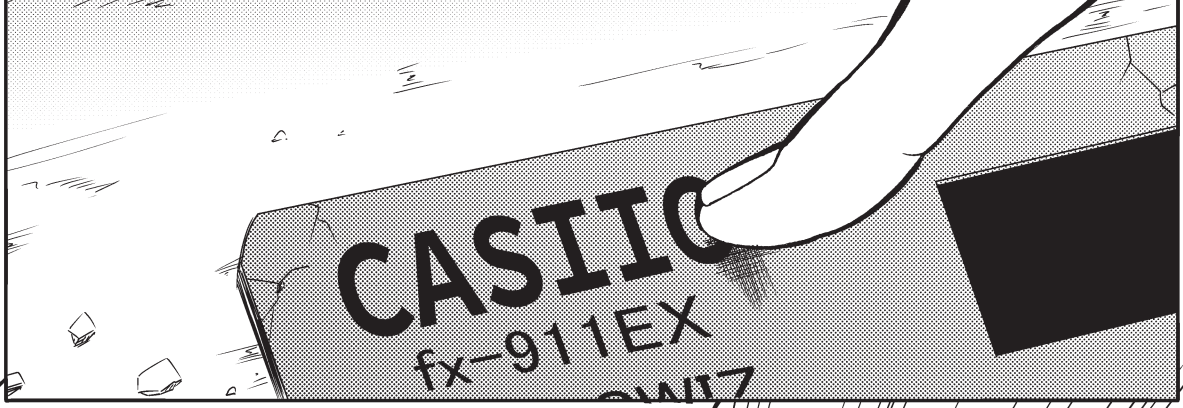
I can't believe it breaks so easily...



Hey...take a look at this!







**It's a fake!**

**Casio?!**

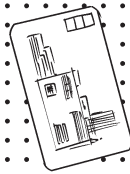
*Casio?!*

*HaHaHaHa*

Fakes  
really exist!



For example, the solar panel inside of some fakes is just a decoration.



Other fakes have the battery stuck inside and it can't be replaced.

Fakes might look like the real thing, but the inside is a mess and the quality is garbage.

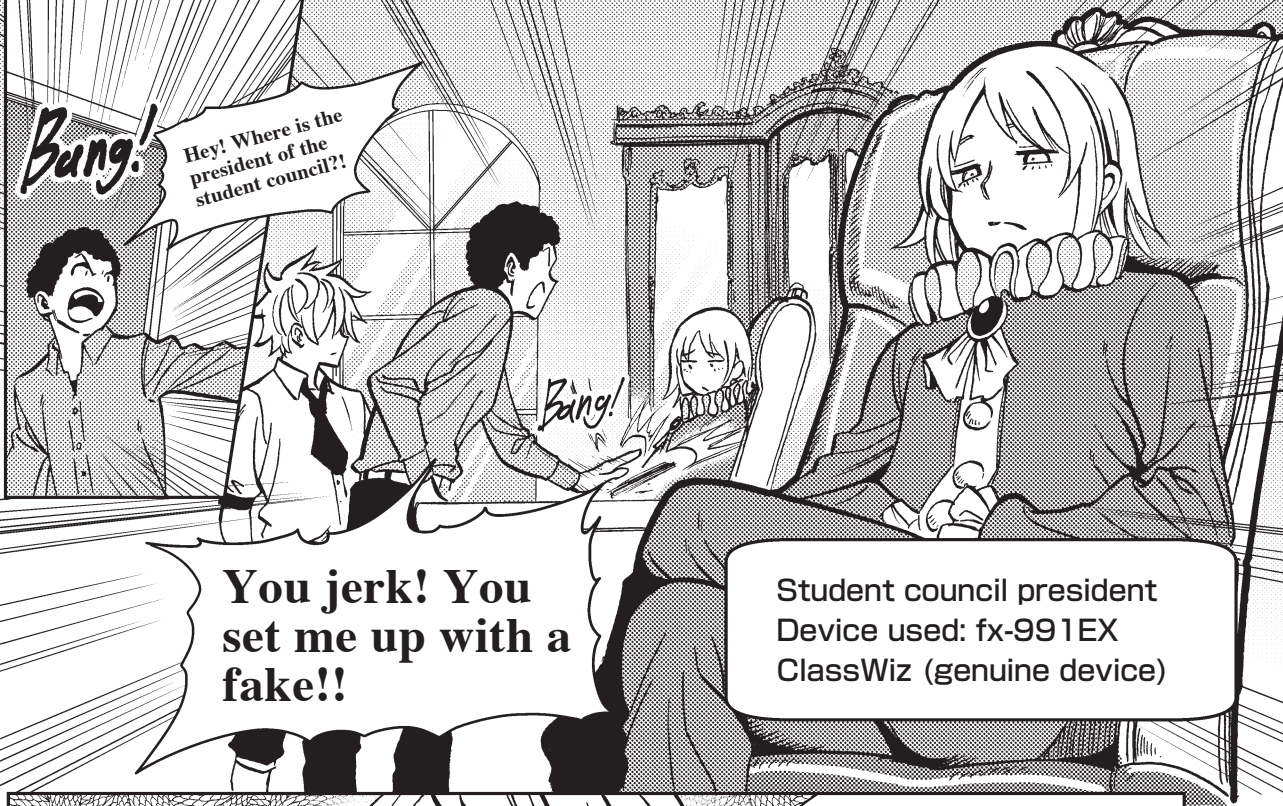
**It's true!**



**A fake...?!**

That jerk... he  
tricked me!





Bang!  
Hey! Where is the president of the student council?!

Bang!

**You jerk! You set me up with a fake!!**

Student council president  
Device used: fx-991EX  
ClassWiz (genuine device)



Humph!

So you finally noticed, huh?



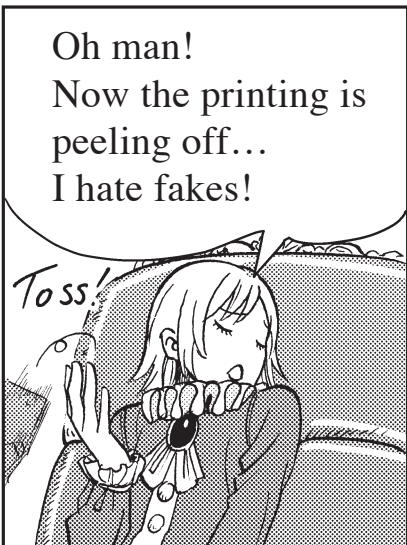
Actually, you should be thanking me right now.

**What!?**



A dull person like you isn't worthy of a real ClassWiz.

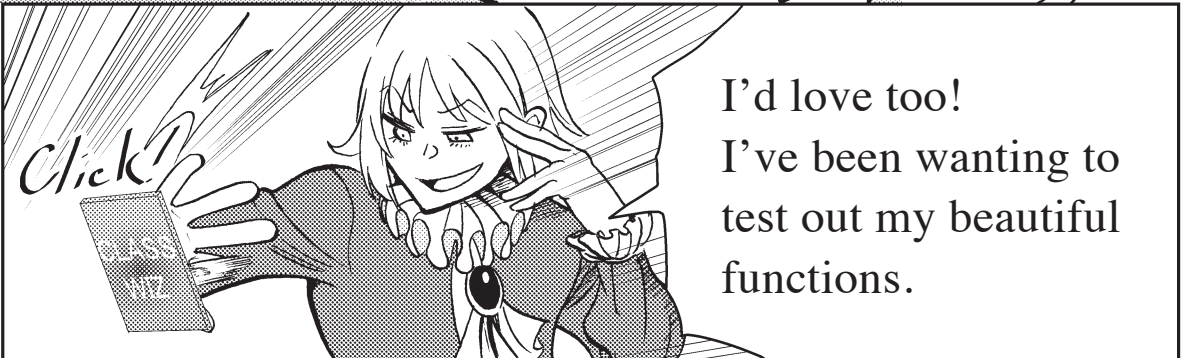
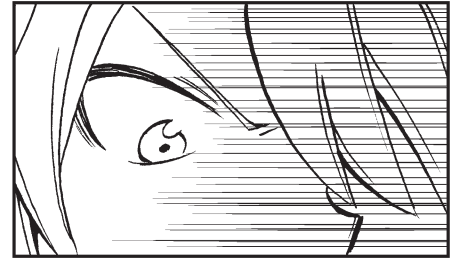
I just sent you to a store where you could buy something suitable for your lowly stature.



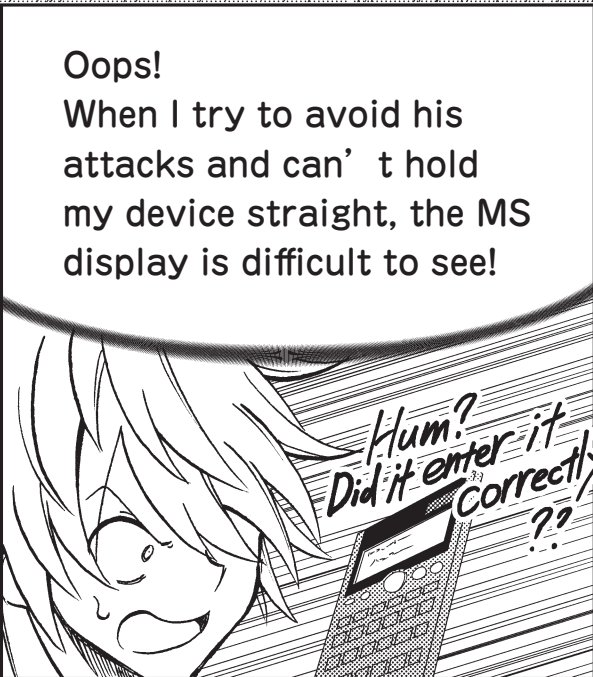
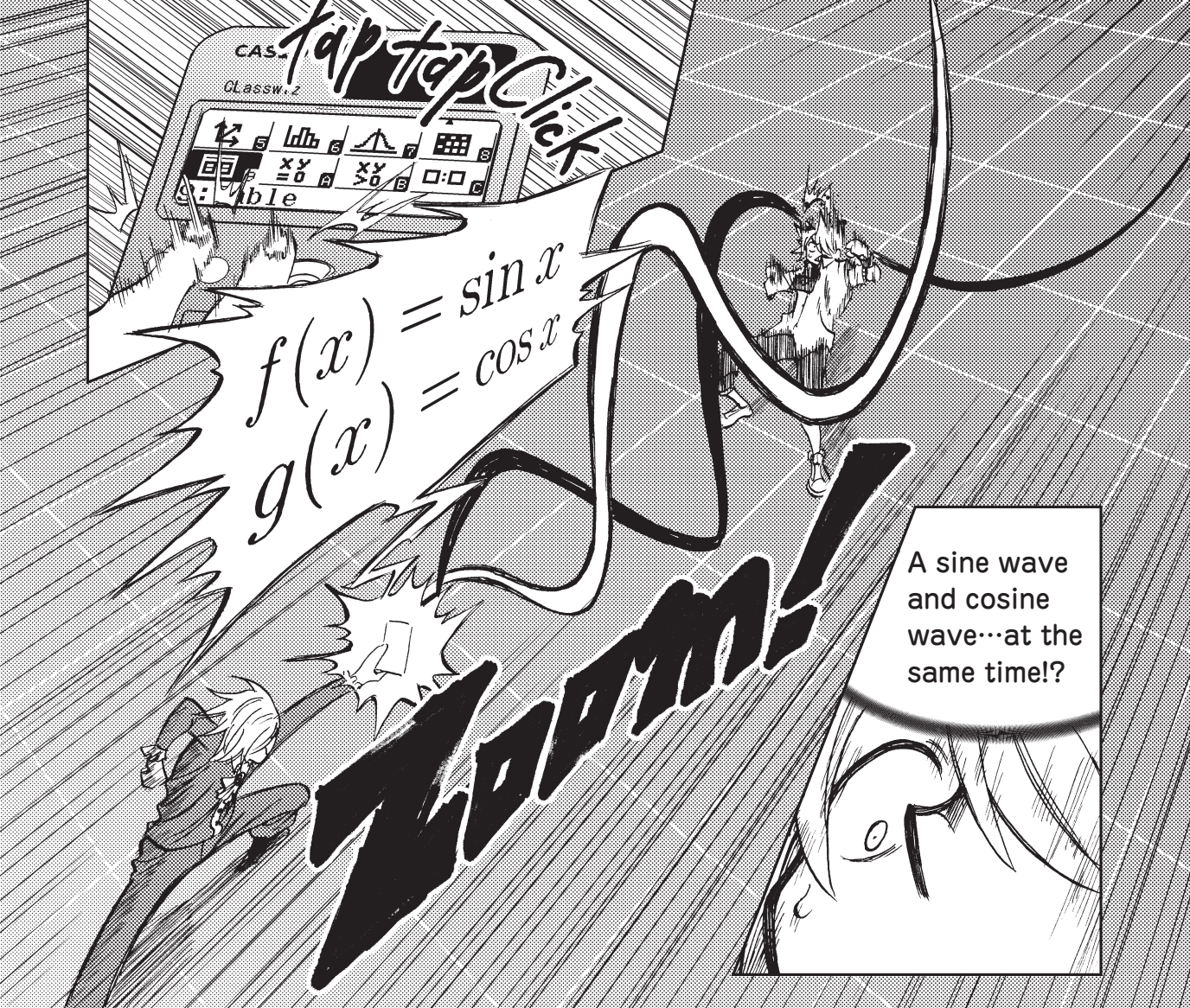
Oh man!  
Now the printing is peeling off...  
I hate fakes!

Toss!





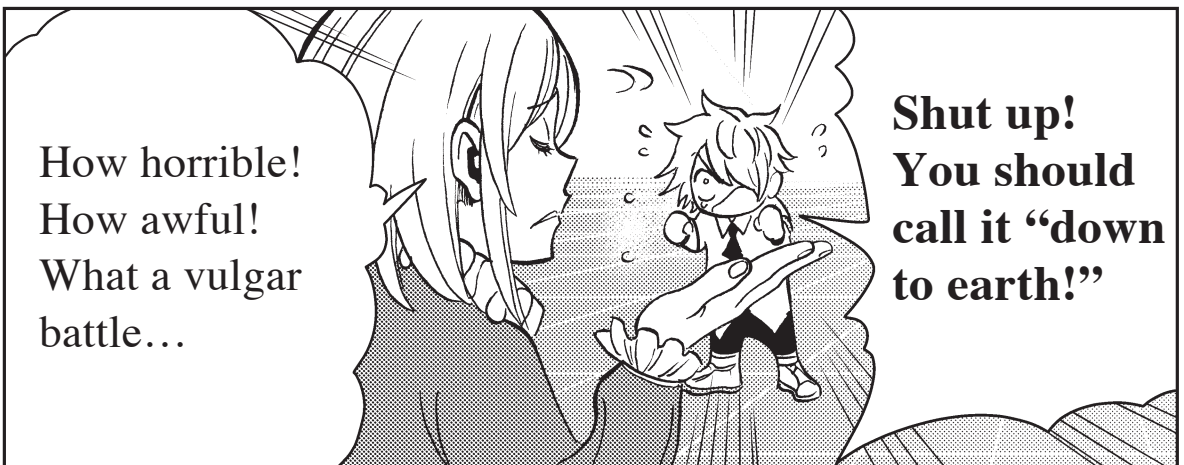
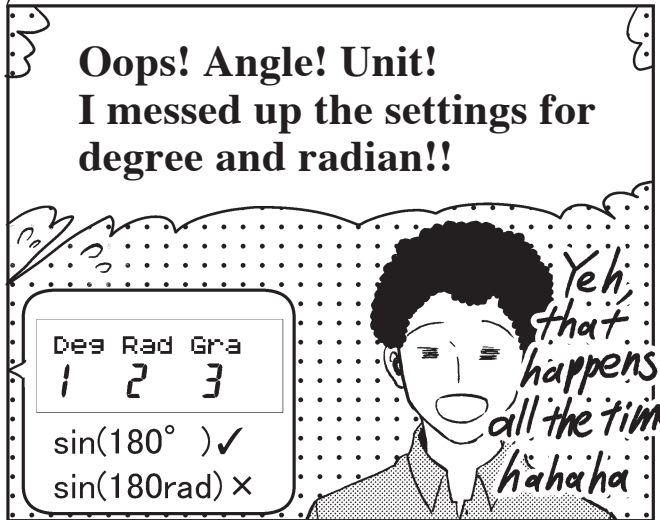




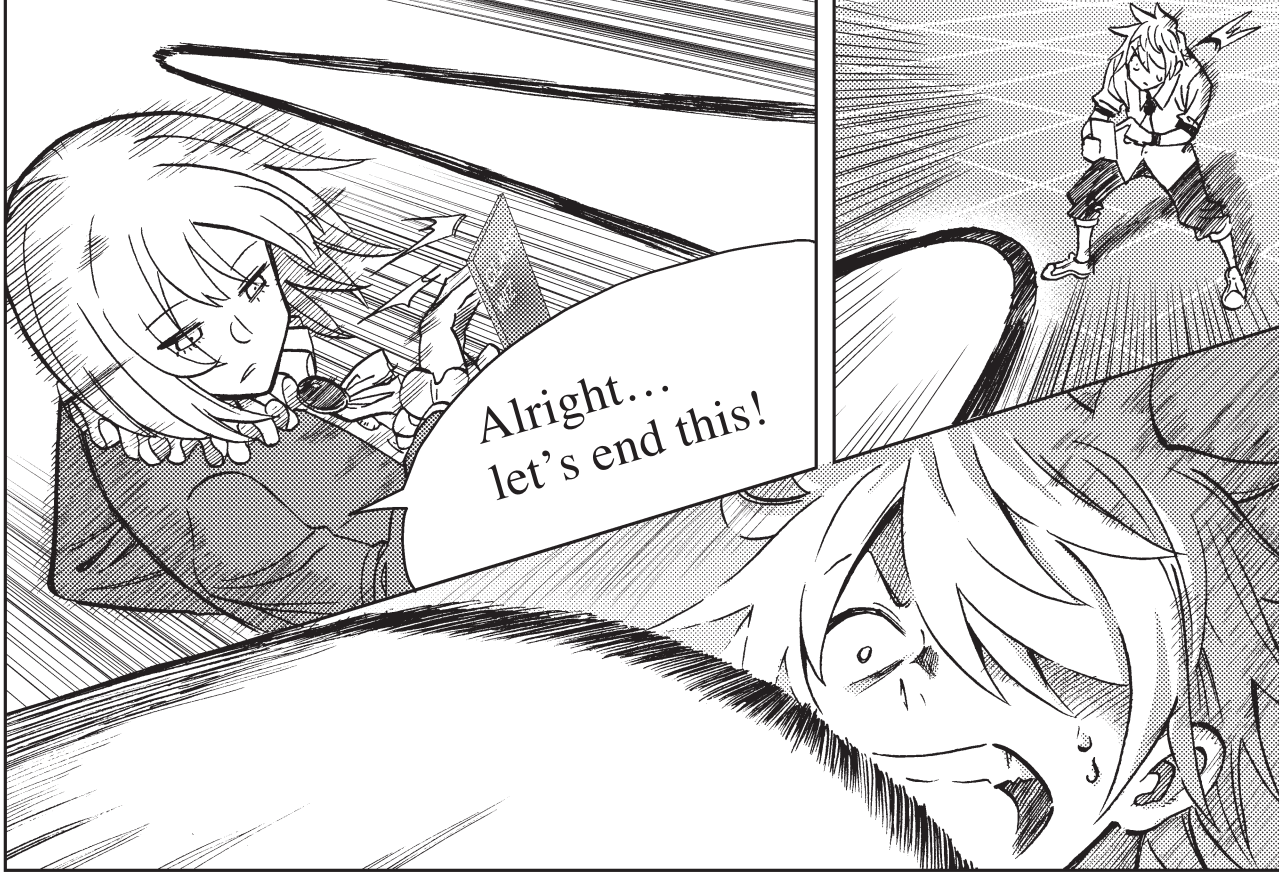




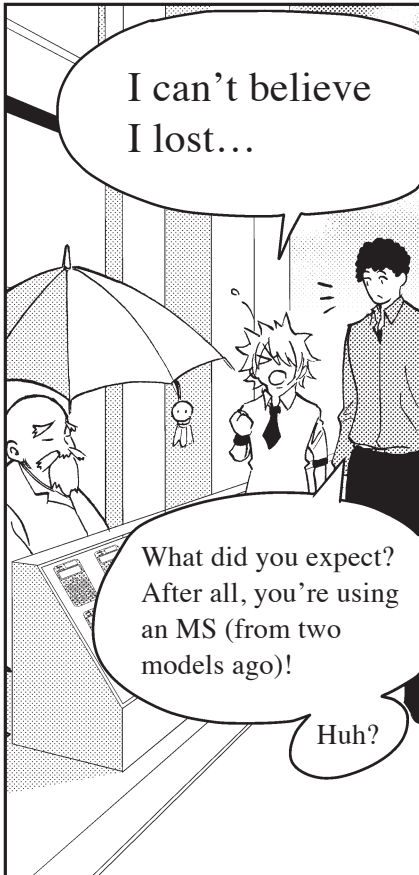
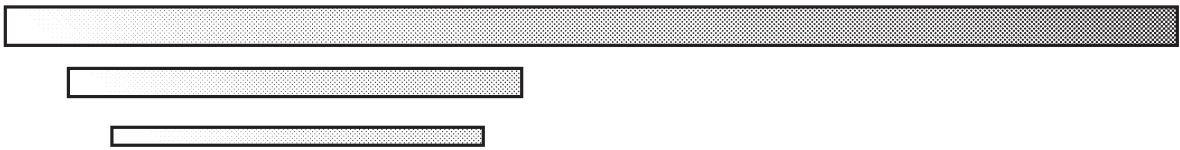
$$\sqrt{(\cos(180) - 0)^2 + (\sin(180) - 0)^2}$$







Alright...  
let's end this!



I can't believe  
I lost...

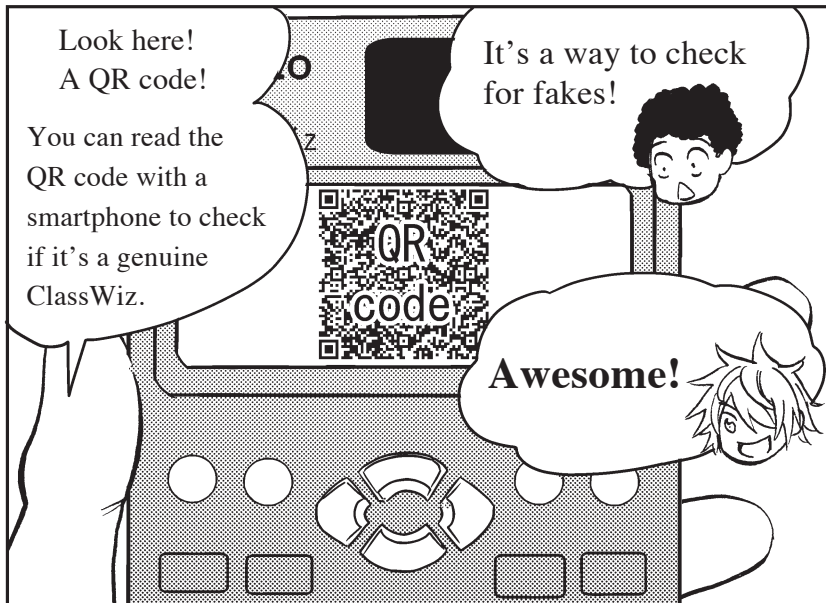
What did you expect?  
After all, you're using  
an MS (from two  
models ago)!

Huh?



You're selling  
a ClassWiz?  
It must be a  
fake!

No, this is the  
real thing!



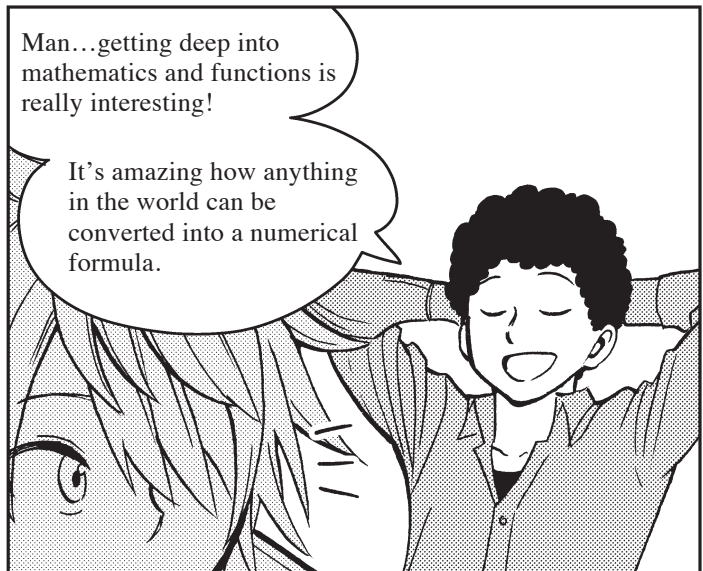
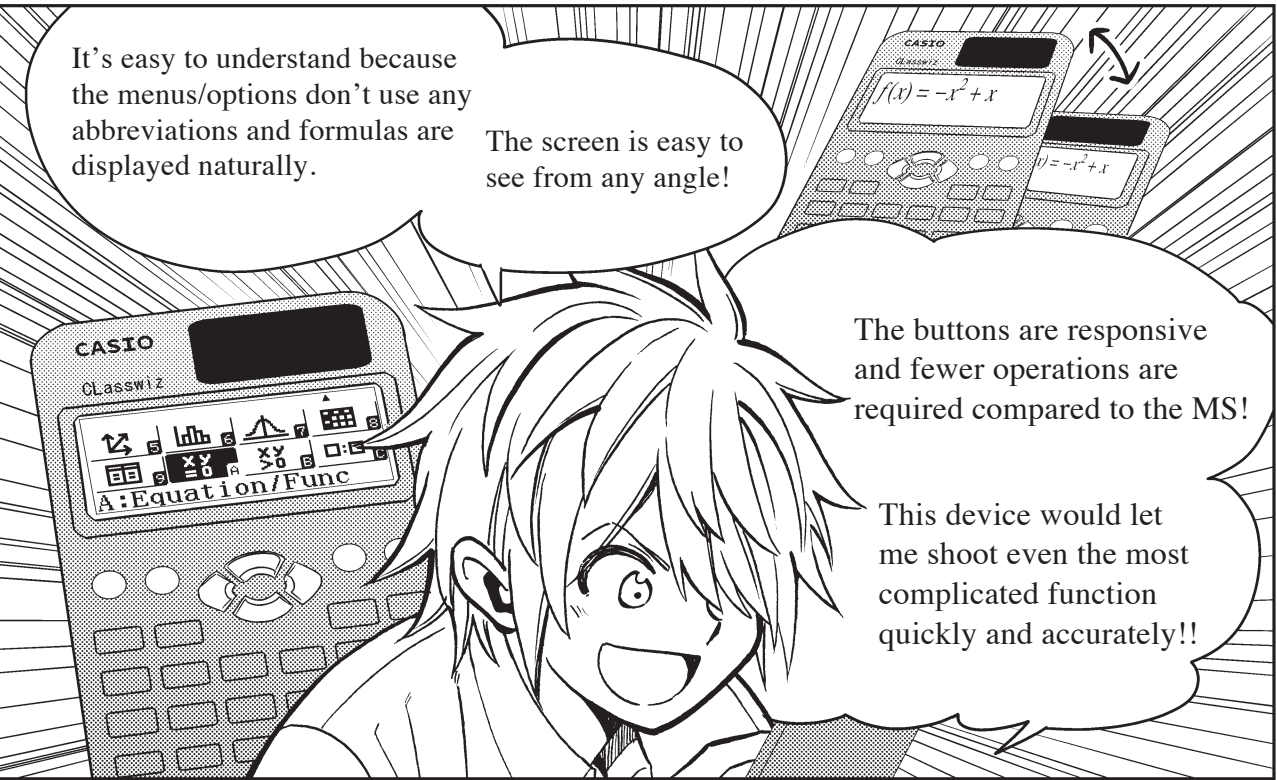
Look here!  
A QR code!

You can read the  
QR code with a  
smartphone to check  
if it's a genuine  
ClassWiz.

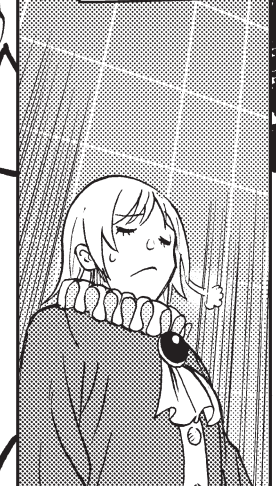
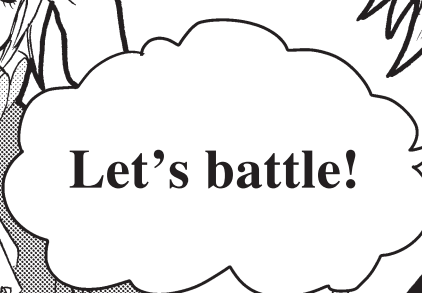
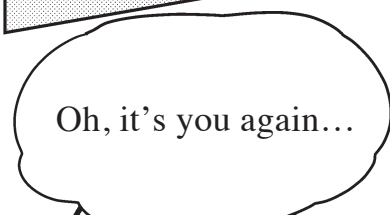
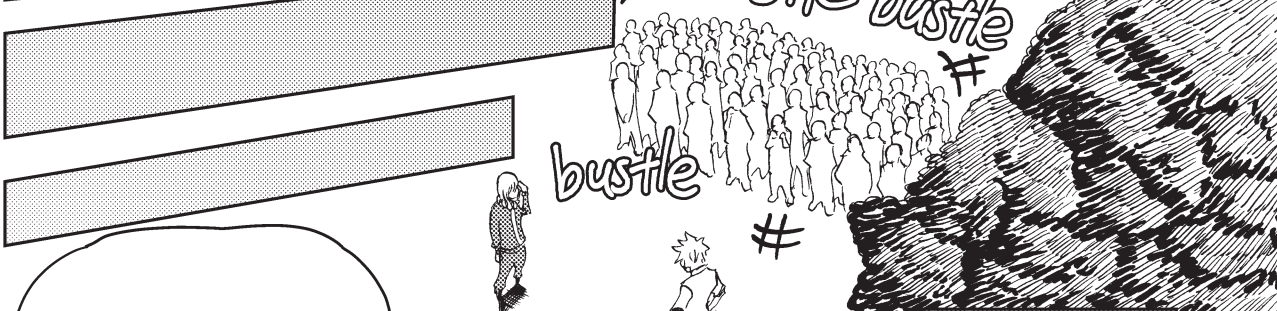
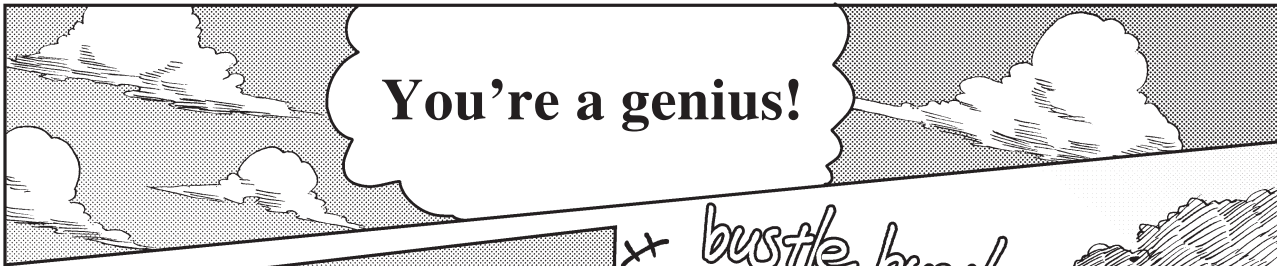
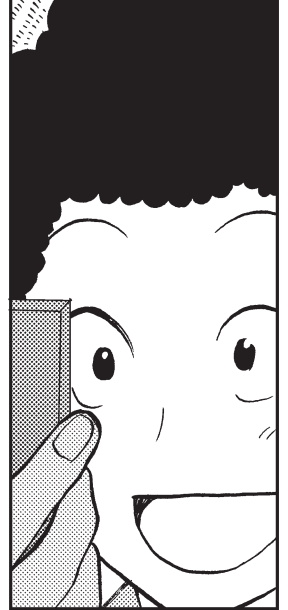
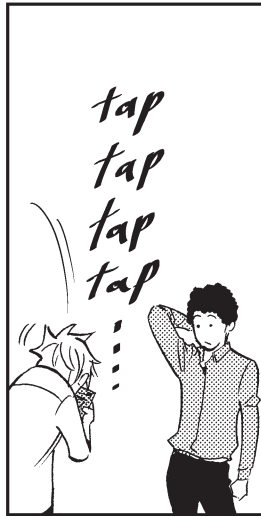
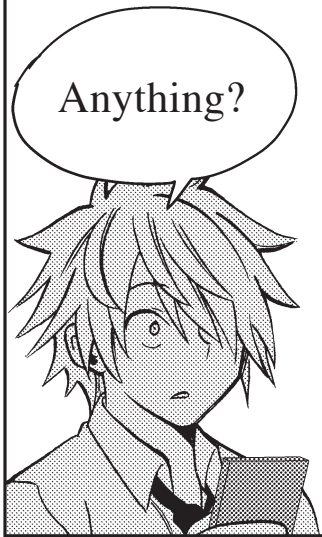
It's a way to check  
for fakes!

Awesome!











tap tap tap Click!



OK, let's end this quick!

$$f(x) = |x^2 - 5|$$

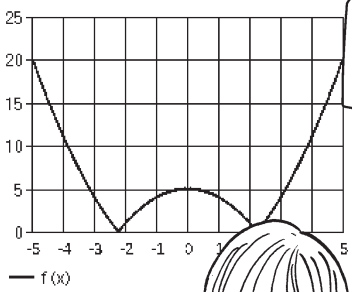
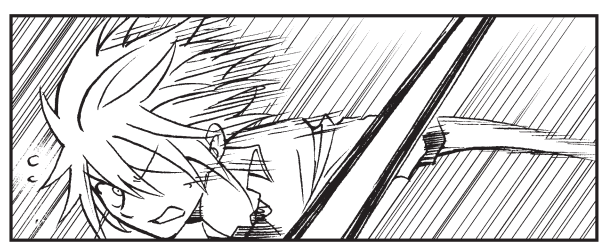
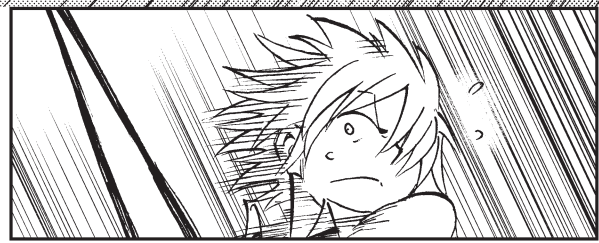
**ZOOM**

What a sharp attack!

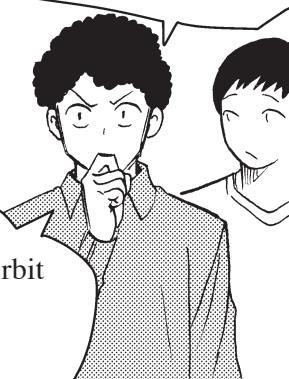
That was close!



**ZOOM!**



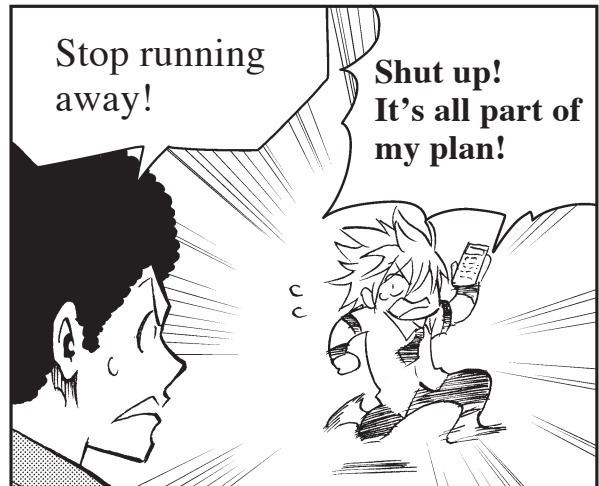
A quadratic function with absolute value!



It's harder to read the orbit than normal quadratic functions!

Stop running away!

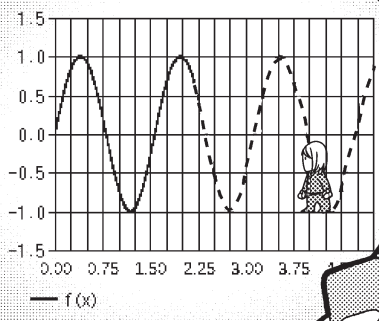
Shut up! It's all part of my plan!



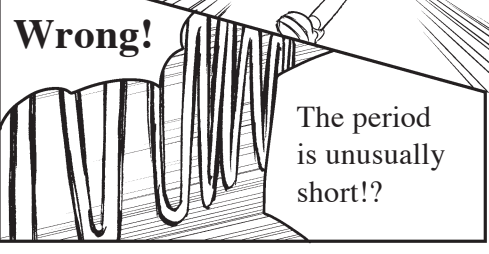




This waveform...



...it's nothing more than a regular trigonometric function!



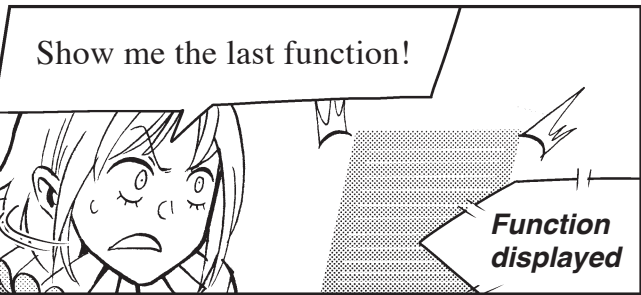
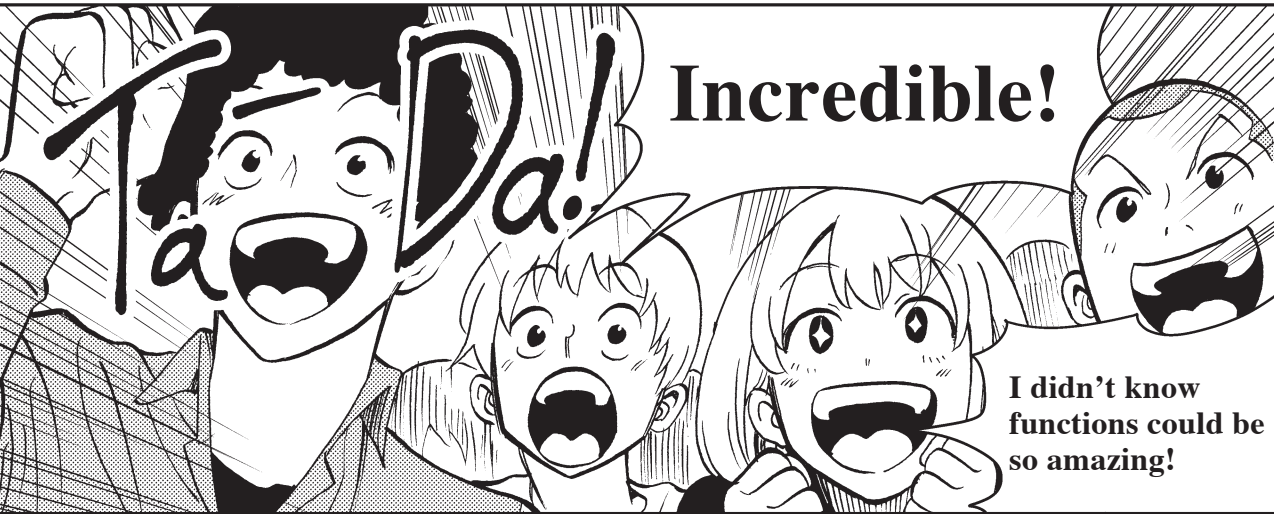
Oh no!

Yeh!

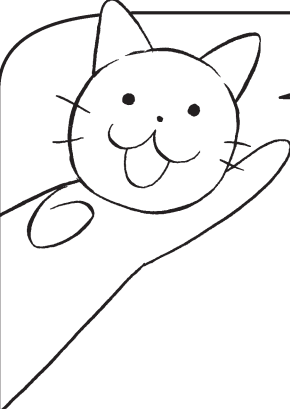
Did you see that?

That orbit...

I saw it!









What did the guys see?!  
Try entering it yourself!

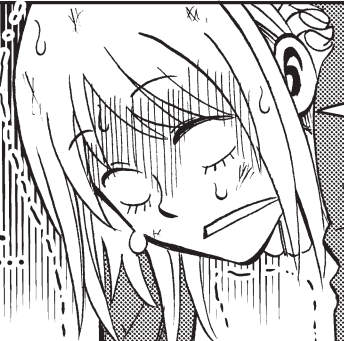
$$f(x) = \sqrt{|x|} + \sqrt{5 - x^2}$$

$$g(x) = \sqrt{|x|} - \sqrt{5 - x^2}$$


★Hint  
Passion/feeling




Read the QR  
code to output a  
graph!



How?

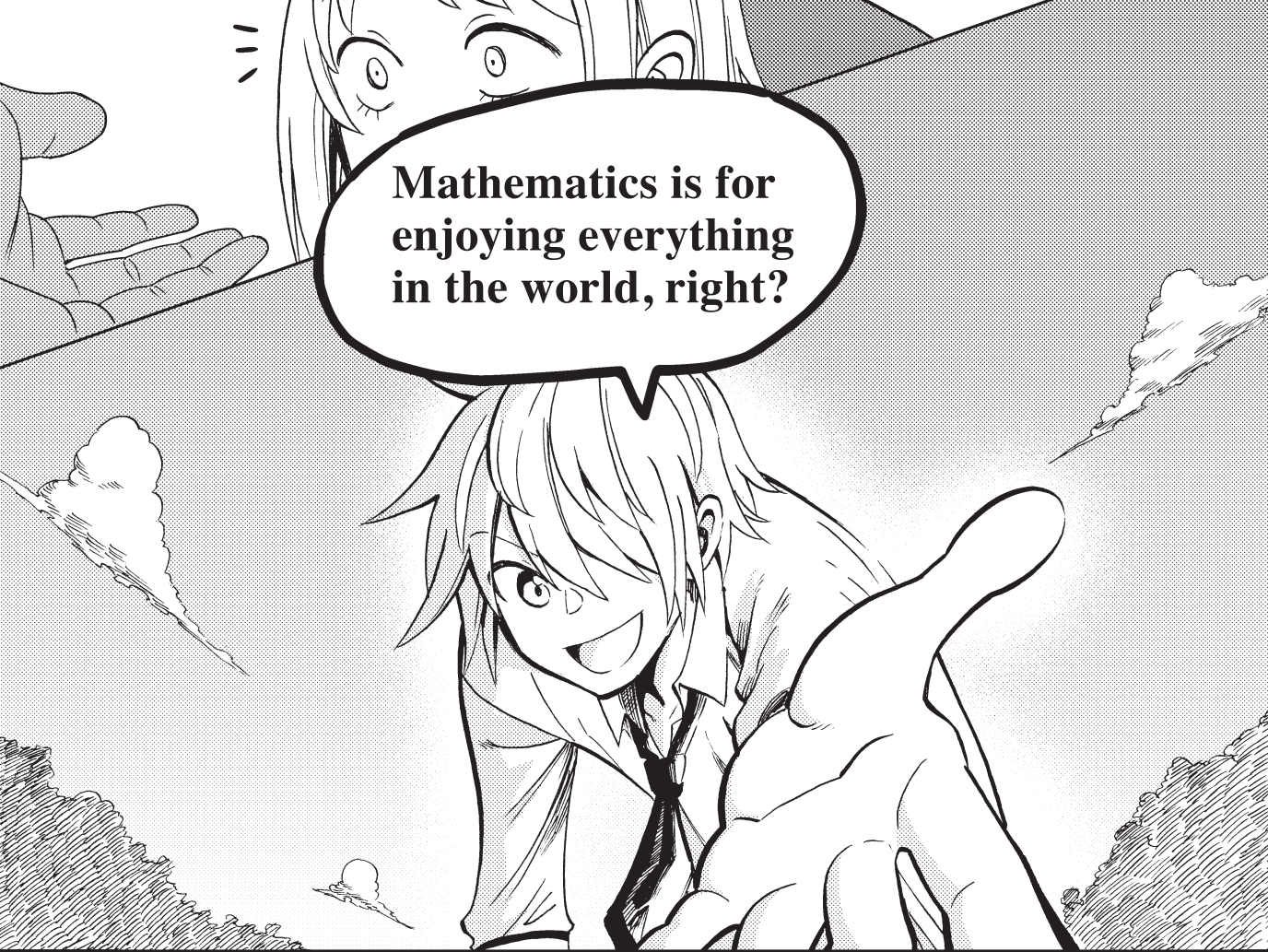
*quiver  
quiver...*

How could I lose to  
such a dull and foolish  
function...?

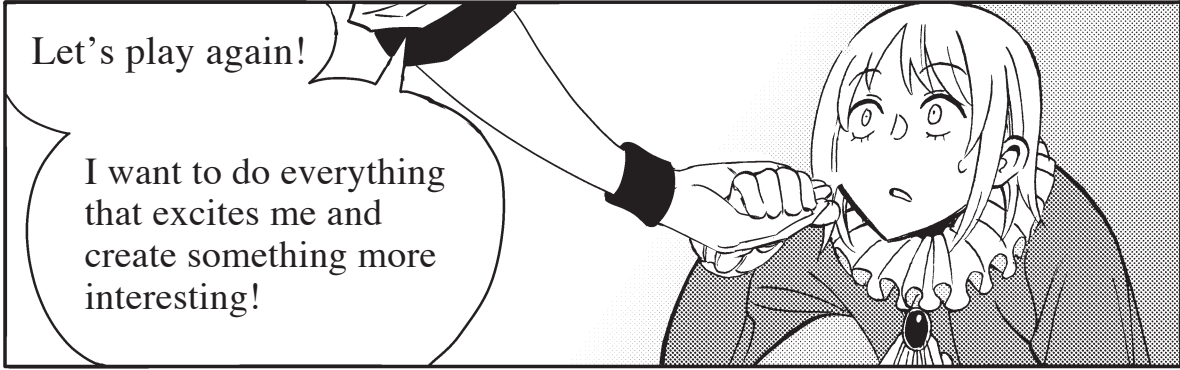


There's nothing foolish  
about it!

Mathematics is not only  
for beautiful things!



**Mathematics is for  
enjoying everything  
in the world, right?**



**Let's play again!**

**I want to do everything  
that excites me and  
create something more  
interesting!**

**What do you  
want to do?**

