# Product vision.

**FOR** students and teachers **WHO** need a more intuitive and convenient way to observe the graph of function, **THE** Graph Calculator is a light-weight application **THAT** can not only have the function of calculator, but also display the function image and calculate the intersection point of two functions. **UNLIKE** other calculators, such as Graph, the focus of Graph Calculator is interaction rather than drawing images through functions. **OUR** product enables users to interact with the function image, which means you can rotate or move your function image and observe the function expression at this time

Schools and universities are the target customers for the Graph Calculator as it will significantly improve the learning experience of students at mathematics.

# Two scenarios.

**The First One (teacher)**

Mike is a middle school math teacher.

He one day to the function characteristic teaching in class, want to let the students have a better understanding of the characteristic of function, so he thought of Graph Calculator the software, enter the specific function analytic expression as its image and coordinate intersection, at the same time can also rotate shift to a function such as operation, let the function of the nature of act is more vivid, adds to the fun and teaching effect.

**The Second One (student)**

My name is Kira Yoshikage, age 13.

I have to do math problems every day before I can go home until 8 pm.

Recently, I was very interested in the image of function expression, so my friend DIO recommended this software to me.

It can let me check whether the intersection of the two functions is correct or not. In addition, I can rotate the image of the function, so that I can do more pleasure.

Because of this software, I can go to bed and sleep soundly every day after I do the math questions. Once I sleep until dawn, I will never leave the fatigue and pressure for the next day.

# Features of your software that are identified from the product vision and scenarios.

1.A feature that allows users to finish some simple calculations

2.A feature that allows users to observe the graph of function expression.

3.A feature that allows users to observe the intersection points of two functions.

4.A feature that allows users to interact with the function image and observe the function

expression at this time.