Trigonometric Park

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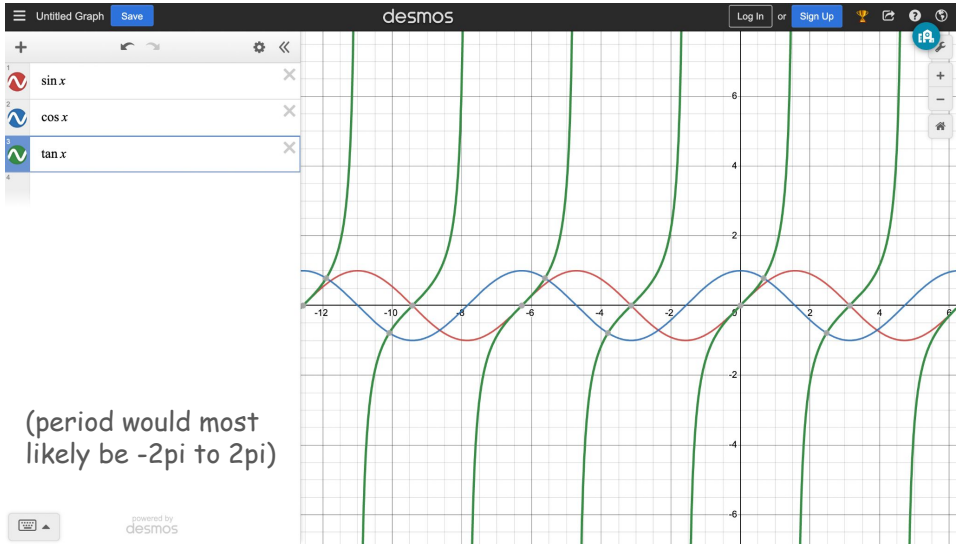
Intro and Inspiration



(period would most likely be -2pi to 2pi)

For little kids, these shapes are fun (and maybe could start getting exposure a harder concept like this at a young age)

For teenagers, they might recognize the mathematical placement of these waves as the three trigonometric graphs.

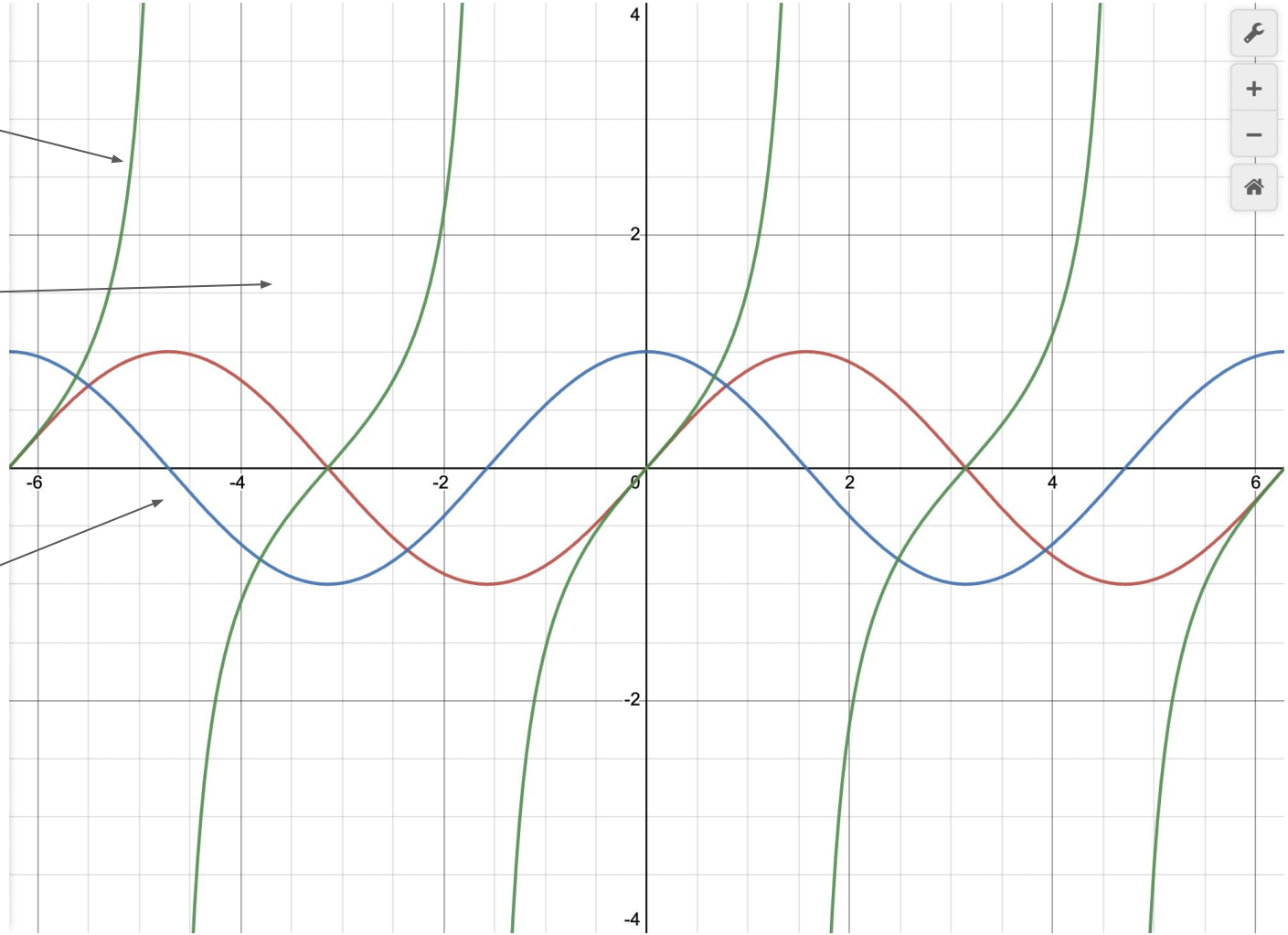
In architecture, a pattern that I often see is the wave pattern. The shape is indeed very fun and has a certain charm to it that makes it work. I'm not really a math savvy, but the first thing that I saw when I saw this wavelike shape being used in architecture is the sine and cosine graph. I thought maybe I could design a park that uses the xy axis as a base, and one that is designed around patterns of the trigonometric graphs.

For the location, I chose the Han River(banpo area), as it is a place I am quite familiar with, and it would be easy to implement this kind of design there because there are already similar designs to this that exist.

Use the graphs to split the main area into different areas

Top half is grass and has the green space, playgrounds as well

Make the bottom half of the axis mostly transparent like a dock and have water below



Key Features

- Playgrounds, Swings, etc.
- Rest Areas (Benches)
- Green Space
- Roof that is shaped like the intersections of the sine and cosine graph
- Transparent glass to see the water beneath
- Beams to hold the bottom half of the platform up.