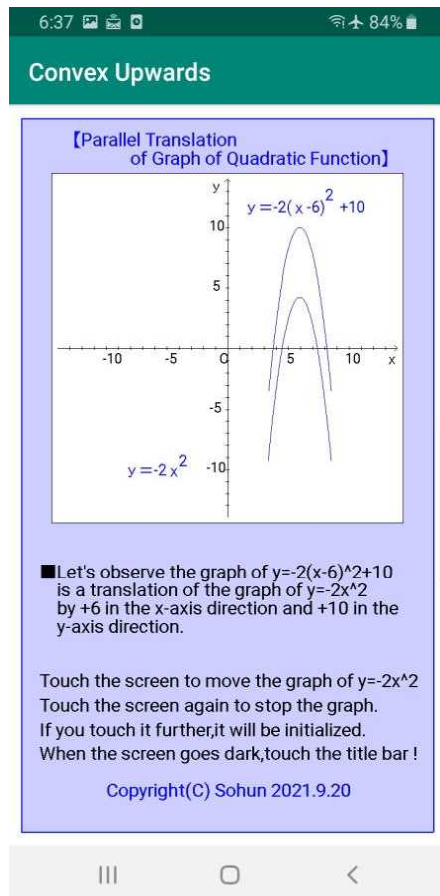


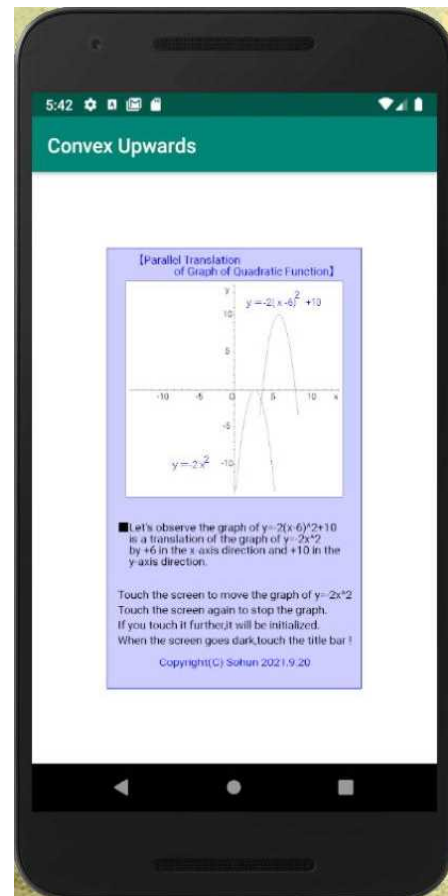
【Translation of Graph of Quadratic Function (Convex upward)】

※ Observe the translation of the graph of the quadratic function.



【Screenshot】

Galaxy S9



【Emulator image】

Android Studio Version 3.5.1

[Outline]

Let's see that the graph of " $y = -(x - 6)^2 + 10$ " is a translation of the graph of " $y = -2x^2$ " by +6 in the x-axis direction and +10 in the y-axis direction.

Observe how the graph of " $y = -2x^2$ " moves in parallel by +6 in the x-axis direction and +10 in the y-axis direction and overlaps with the graph of " $y = -(x - 6)^2 + 10$ "

At this time, Let's note that these two graphs have the same shape and spread, but differ only in position.