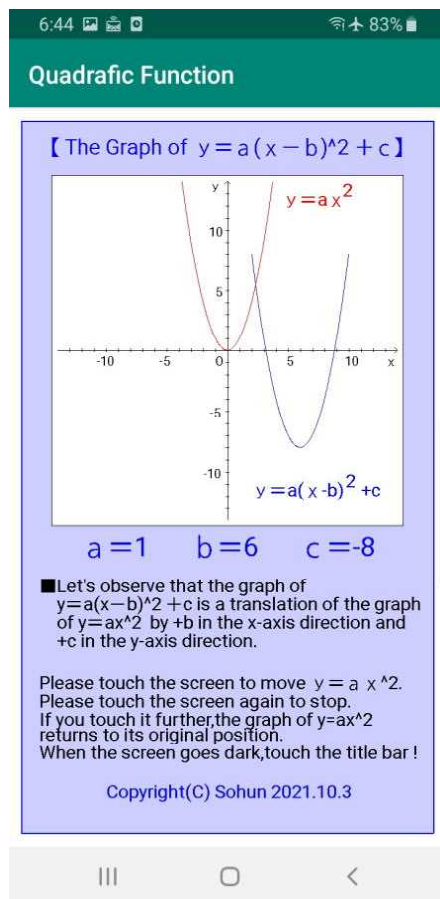
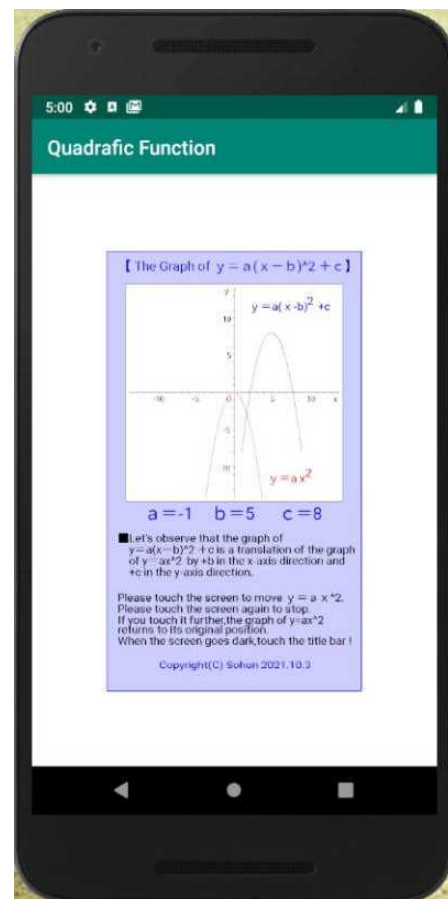


【Translation of Graph of Quadratic Function】

※ Observe that the graph of ' $y = a(x - b)^2 + c$ ' is a translation of the graph of ' $y = ax^2$ ' by $+b$ in the x-axis direction and $+c$ in the y-axis direction.



【Screenshot】
Galaxy S9



【Emulator image】
Android Studio Version 3.5.1

【Outline】

Let's observe that the graph of ' $y = a(x - b)^2 + c$ ' is a translation of the graph of ' $y = ax^2$ ' by $+b$ in the x-axis direction and $+c$ in the y-axis direction.

First, enter integers in a , b , and c to determine the quadratic function ' $y = a(x - b)^2 + c$ '.

Translate the graph of ' $y = ax^2$ ' by $+b$ in the x-axis direction and $+c$ in the y-axis direction, and observe how it overlaps with the graph of ' $y = a(x - b)^2 + c$ '.

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

