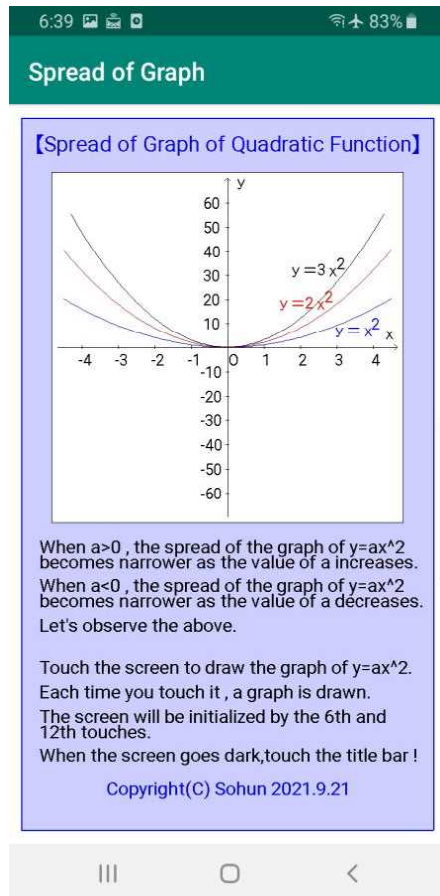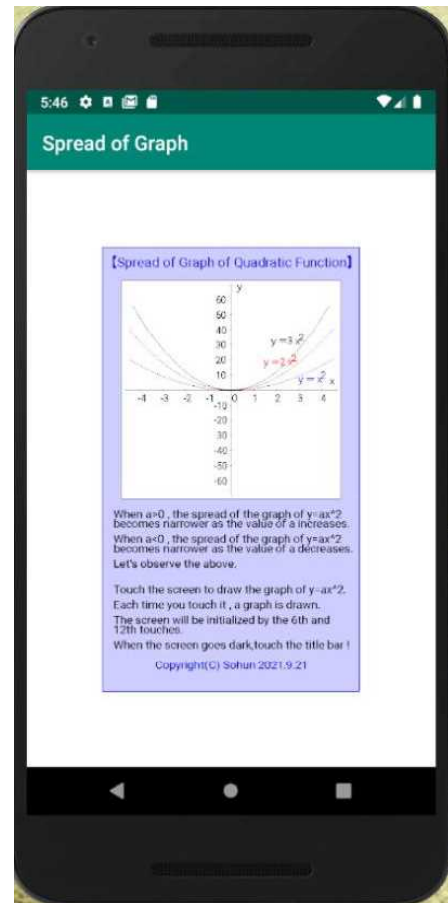# 【Spread of Graph of Quadratic Function】

※　Observe the spread of the graph of the quadrafic function.

【Screenshot】
Galaxy S9

【Emulator image】
Android Studio Version 3.5.1

［Outline］

　Let's see the spread of the graph of the quadrafic function " $y = a\ x^2$ " .

　Obseve the spread of the graph of " $y = a\ x^2$ " when a=1 , a=2 , a=3 , a=4 , and a=5.

　When a>0 , the spread of the graph of " $y = a\ x^2$ "　becomes narrower as "a" becomes larger.

　When a<0 , the spread of the graph of " $y = a\ x^2$ "　becomes narrower as "a" becomes smaller.