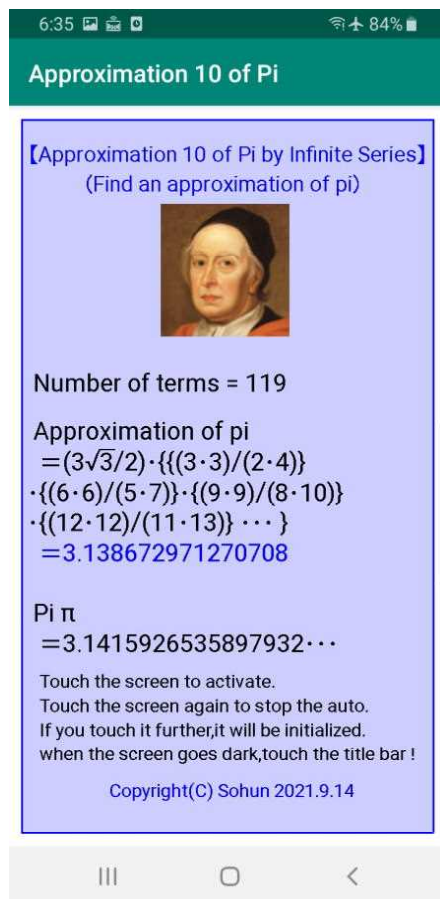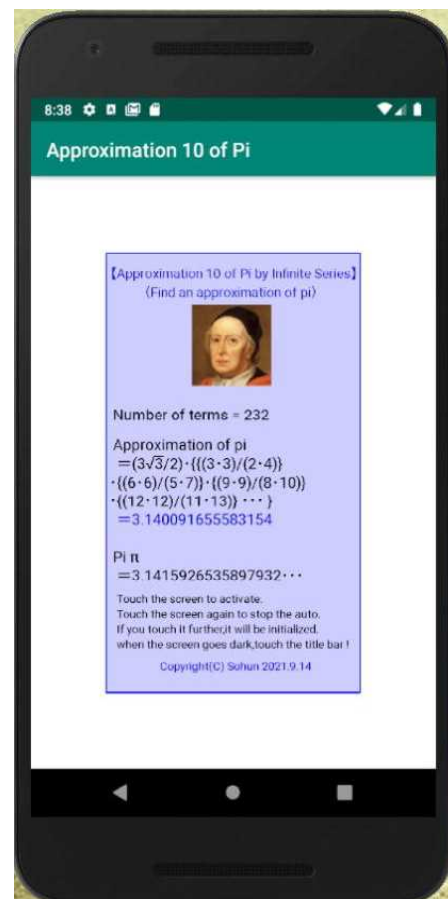# 【Approximation 10 of Pi by Infinite Series】

※　Use the approximation formula to foind an approximate value of pi.

【Screenshot】
Galaxy S9

【Emulator image】
Android Studio Version 3.5.1

［Outline］

　Use the following approximation formula to find an approximate value of pi.

$$pi = \frac{3\sqrt{3}}{2} \times \left(\frac{3 \times 3}{2 \times 4} \right) \times \left(\frac{6 \times 6}{5 \times 7} \right) \times \left(\frac{9 \times 9}{8 \times 10} \right) \times \left(\frac{12 \times 12}{11 \times 13} \right) \times \ \cdot \ \cdot \ \cdot$$

　Let's observe how the approximate value of pi can be obtained as the number of terms increases.