Problem C13. (Unified Computers and programming)

1. Solve the following recurrence equation using the iteration method. Show all the steps in your derivation.

$$T(n) = \begin{cases} c & n = 1 \\ aT\left(\dfrac{n}{b}\right)\sqrt{} + cn & n > 1 \end{cases}$$

Where a,b,c >=1.