10^{th} Maths - Chapter 4

This is Problem-1(v) from Exercise 4.2find the roots of the quadratic equation $(100x^2 - 20x + 1) = 0$

Solution:

$$\left(x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}\right)
 \left(x = \frac{20 \pm \sqrt{-20^2 - 4 \times 100 \times 1}}{2 \times 100}\right)
 \left(x = \frac{20 + \sqrt{400 - 400}}{200}\right)
 \left(x = \frac{20 + \sqrt{0}}{200}\right)
 \left(x = \frac{20}{200}\right)
 \left(x = \frac{1}{10}\right)$$