10^{th} Maths - Chapter 4

This is Problem-1(v) from Exercise 4.2
find the roots of the quadratic equation
$100x^2 - 20x + 1 = 0$
Solution:
$x = \frac{-b \pm \sqrt{b^2-4ac}}{2a}$
$x = \frac{20 \pm \sqrt{-20^2-4\times100\times1}}{2\times100}$
$x = \frac{20+\sqrt{400-400}}{200}$
$x = \frac{20+\sqrt{0}}{200}$
$x = \frac{20}{200}$
$x = \frac{1}{10}$