From problem: $\sigma^2 = 10 \times 10^{-6}$, $m = 0 \therefore f_X(x) = \dfrac{1}{\sqrt{2\pi * 10^{-5}}} * e^{-x^2/(2\times 10^{-5})}$

$$F_X(x) = 1 - Q\left(\frac{x-m}{\sigma}\right) \rightarrow P(x \geq 0.1) = 1 - F(0.1) = Q\left(\frac{0.1-0}{\sqrt{10^{-5}}}\right)$$

$$= \frac{(1 - e^{-1.4*0.1/\sqrt{10^{-5}}}) * e^{-(0.1/\sqrt{10^{-5}})^2/2}}{1.135 * (0.1/\sqrt{10^{-}5}) * \sqrt{2\pi}} = 0.0111$$