$$15\left(\frac{b(x)}{b(x)}b(x=1)\right) = \left(\frac{b(x)}{b(x)}b(x=0)\right)$$

$$\sqrt{2}\left(\frac{1}{\sqrt{2\pi}\left(\frac{1}{2}\right)}\exp\left(\frac{-\chi^{2}}{2(1/2)}\right)\right) = \left(\sqrt{2\pi}\left(\frac{1}{4}\right)\right)^{2} = \left(\sqrt{2\pi}\left(\frac{1}{4}\right)\right)^{2}$$

$$exp(x^2) = 1$$