b) $\frac{1}{\sigma \sqrt{2\pi}} e^{-\frac{(x-\mu)^2}{2\sigma^2}}$

a) $6CO_2 + 6H_2O \longrightarrow C_6H_{12}O_6 + 6O_2$

c)
$$\int_0^\infty e^{-x^2} dx = \frac{\sqrt{\pi}}{2}$$

d) $P(A \mid B) = \frac{P(B \mid A) P(A)}{P(B)}$

e)
$$F = G \frac{m_1 m_2}{r^2}$$

f)
$$i\hbar \frac{\partial}{\partial t} \Psi(\mathbf{r}, t) = \left[-\frac{\hbar^2}{2m} \nabla^2 + V(\mathbf{r}, t) \right] \Psi(\mathbf{r}, t)$$

g)
$$abla \cdot \mathbf{E} = rac{
ho}{arepsilon_0}$$

g)
$$\sqrt{\cdot} \mathbf{E} = \frac{1}{\varepsilon_0}$$
h) $\binom{n}{k} = \frac{n!}{k!(n-k)!}$

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i) $N_2 + 3H_2 \rightleftharpoons 2NH_3$

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$$j) \sum_{n=1}^{\infty} \frac{1}{n^2} = \frac{\pi^2}{6}$$

$$\sum_{n=1}^{\infty} n^2 \qquad 0$$

$$k) H(X) = -\sum_{i=1}^{\infty} p(x_i) \log_2 p(x_i)$$