

Here are some common operators:

Position: x

Momentum: $\frac{\hbar}{i} \frac{\partial}{\partial x}$

KE: $-\frac{\hbar^2}{2m} \frac{\partial^2}{\partial x^2}$

PE: $U(x)$

Hamiltonian: $-\frac{\hbar^2}{2m} \frac{\partial^2}{\partial x^2} + U(x)$

Total Energy: $i\hbar \frac{\partial}{\partial t}$