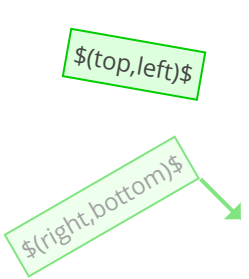
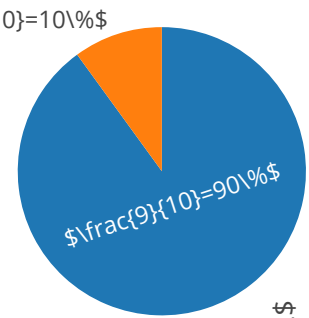
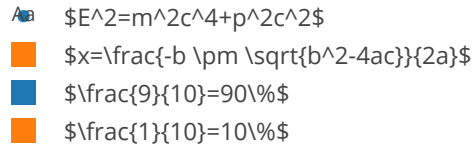
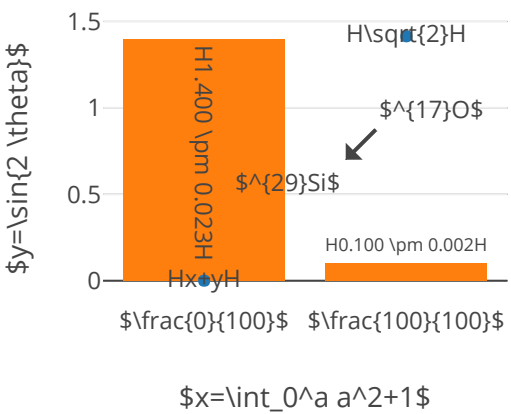
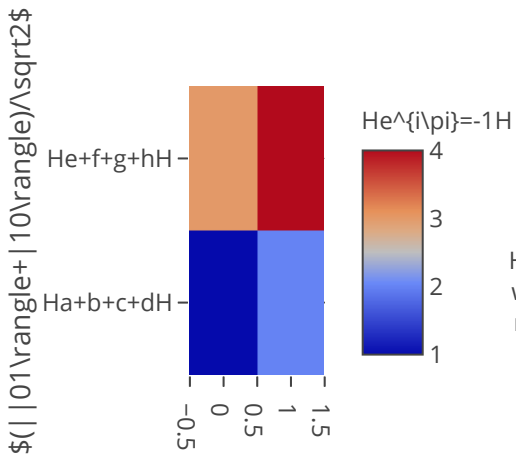
$i\hbar\frac{d\Psi}{dt}=-[V-\frac{-\hbar^2}{2m}\nabla^2]\Psi$











H is substituted for $ where we would like math but do not yet fully support it