## Worksheet \#14

(Friday, November 3, 2023)

## Name

## Question (5 pts):

For the 1D system described by a Hamiltonian $H=P^{2} /(2 m)+V(X)$, derive the following commutator:

$$
[\mathrm{P}, \mathrm{H}]=
$$

## If you have time:

$[\mathrm{X}, \mathrm{H}]=$

