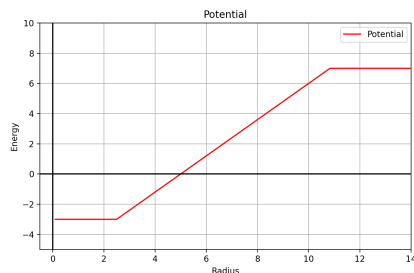


Quiz: Effective Potential Diagrams

1 Quiz: Effective Potential Diagrams

See also the following more detailed problem and solution: [Effective Potentials: Graphical Version](#)

An electron is moving on a two dimension surface with a radially symmetric electrostatic potential given by the graph below:



- Sketch the effective potential if the angular momentum is **not** zero.
- Describe qualitatively, the shapes of all possible types of orbits, indicating the energy for each in your diagram.