Design	Advantages	Disadvantages
Design 1	 Code needs conversion which increases complexity. typeCoord variable allows conversion and storage 	 Instantiating involves the type of coordinates, makes it mildly more complex. Memory must be allocated to the carriable and coordinates. Efficiency varies between the typeCoord variable, and the operation called.
Design 2	 Code is mildly more complicated as operations to coordinates are involved. Instantiating is fast since only one set of coordinates. Memory used is low due to only polar coordinates are stored. 	- Efficiency of computations while fast will slower when calculating cartesian coordinates.
Design 3	 Code is mildly more complicated as operations to coordinates are involved. Instantiating is fast since only one set of coordinates. Memory used is low due to only cartesian coordinates are stored. 	- Efficiency of computations while fast will slower when calculating polar coordinates.
Design 5	 Code involves abstract classes and subclasses. Instance would be fast. Memory usage depends on the subclass used, either low. 	- Efficiency depends on the subclass used