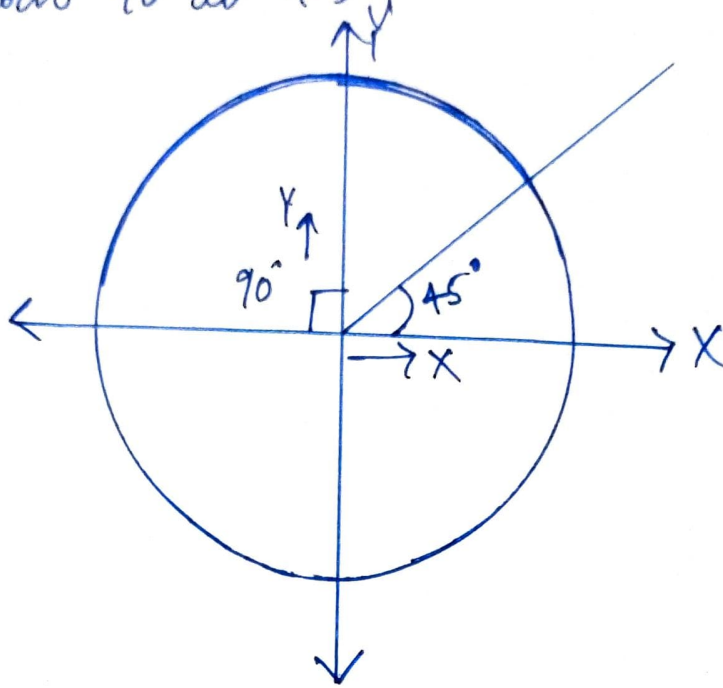


Section-5  
 Ans-3 Scan converting circles:- Eight way symmetry of circle  
 circle drawing algorithm given by Bresenham's  
 considers the eight way symmetry of the  
 circle to generate it.

It plots 1/8<sup>th</sup> part of circle  
 i.e. from  $90^\circ$  to  $45^\circ$



Eight points could be plotted as:-

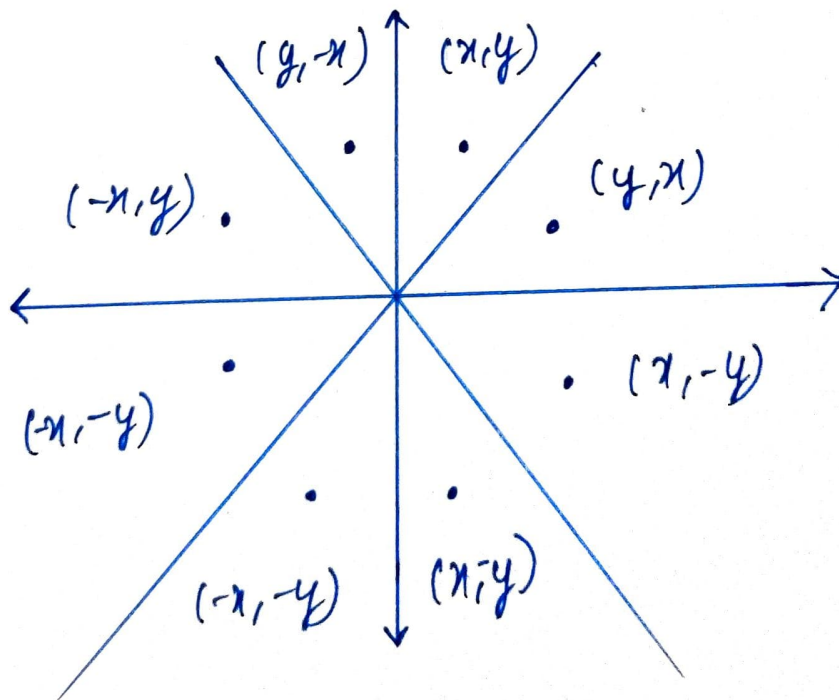
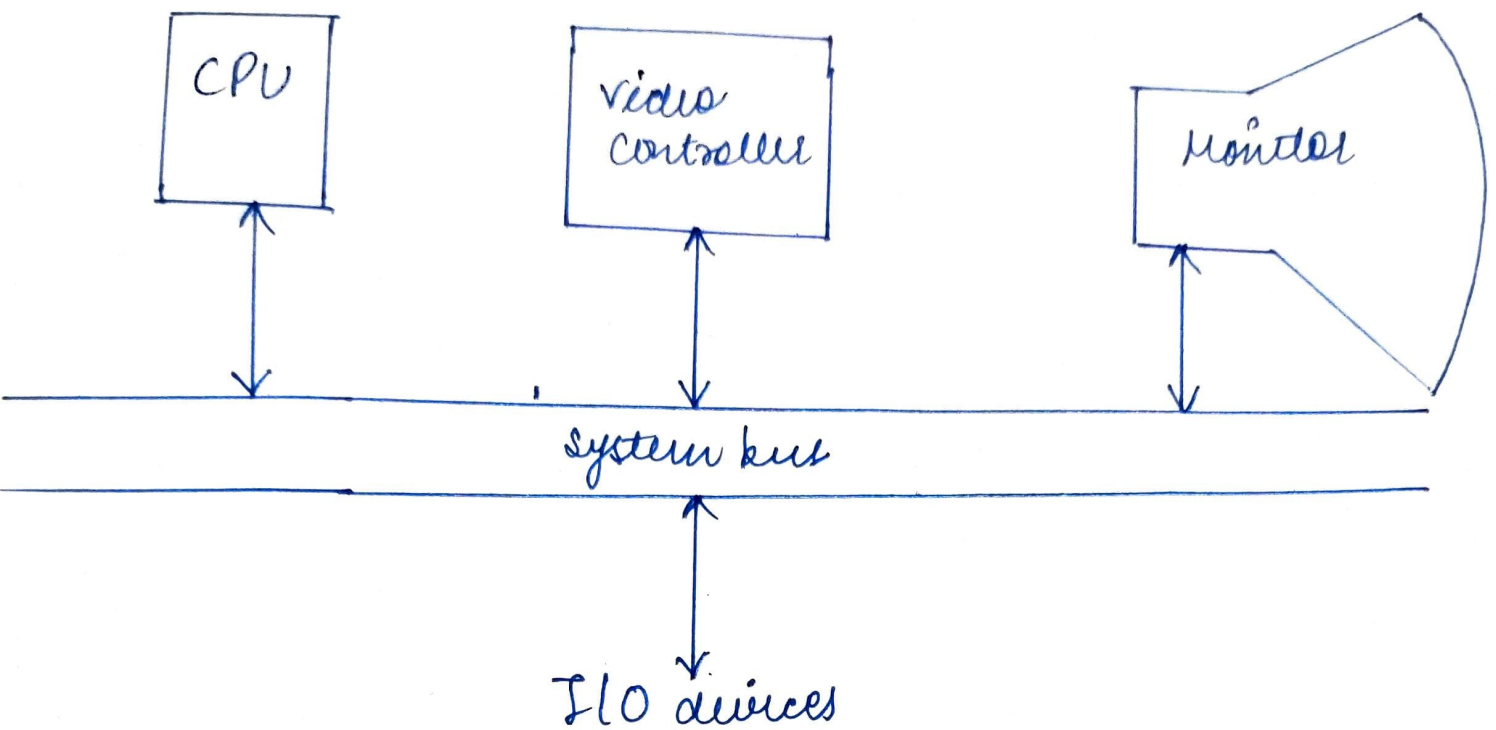


Fig: Eight way symmetry of circle.

## Videocontroller :-



Video is the only medium available to show the motions.

A video controller, often referred to as a graphic card is a hardware component that allows computers to generate graphic information to any video display devices such as

- 1) Monitor
- 2) Projector