Assignment 1: (Approximately, 1 week)
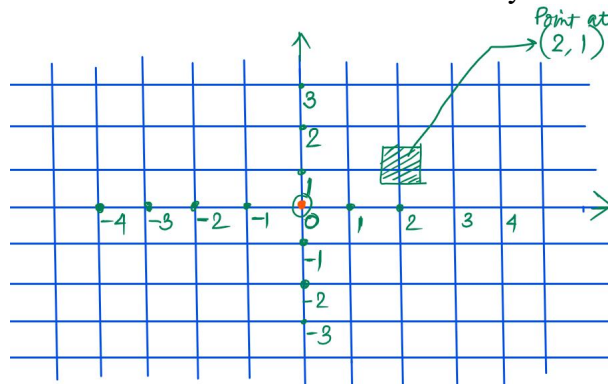
1. Convert an Applet coordinate into standard Cartesian coordinate.

2. Based on Cartesian coordinate (in Question1) construct a square grid with origin (0,0) at the centre of screen. Use (a,b,c) as background colour and (m, n, p) as grid colour where values of a, b, c, m, n, p are set by the programmer. Draw X axis and Y axis with colour other than background colour. Include zoom -in or zoom-out facility.

3. Check if any point (x, y) can be plotted on the grid at appropriate position. Hence, draw basic shapes (line, square etc.) on the constructed grid.