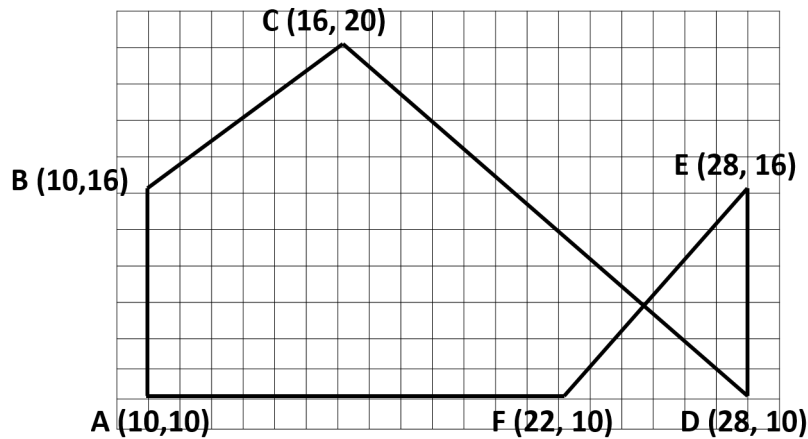


CS552: Computer Graphics
Home Assignment (Scan conversion)

1. Using the Bresenham's Mid point algorithm, calculate the sequence of pixels to be highlighted while scan converting a line from $(0, 0)$ to $(-8, -4)$.
2. Using mid-point circle drawing algorithm, draw a circle with radius of 10 units and centre is $(2, 3)$.
3. Consider the polygon given in the figure below:



Calculate the entries of the Edge Table (ET) and the Active Edge Table (EAT) for every iteration for the scan lines starting from $y = 10$ to $y = 20$.