Name: - Manjeet Singh Negi Roll nos- 112/08/(02) Course: - BCA-B-VI Subject: - Computer Graphice Are 2. # include/statio.h) # include (conio.h) # include Loraphics. h) # include (process.h #include < mathoh) int x1, y1, x2, y2, x3, y3, mx, my; void draw(); Void tri(); Void main () int gd = DETECT. gm; int ca initgraph(fgd,fgm,"... \\bgi"); Point for the 1st point for the triangle; "); grant ("%d%d", & 21, dy7);
print ("Enter the 2nd point for the triangle: >>).

No.

Searl (7% d % d 7, 4 22, 4 42); printf ("Enter the 3rd point for the trangle"); Sanf ("%d%d", 623, 643); deordenice (); draw (); getch (); tri(); getch(); void draw(1 line (27, 47, 22, 42); line (22, 42,28,43); line (23,43, X1, 47); Void to() int x,4, a1, a2, a3, b1, b2, b3; printf ("Enter the transaction coordinates"); scant ("%. d%d",42,44); deordenice(); at=27+2; b1 = 41 + 45 a2 = 212 + 25b2= 42+45 a3 = 93+x; b3= 48+ 4;

line (az, bz, az, bz); line (az, bz, az, bz); line (az, bz, az, bz);

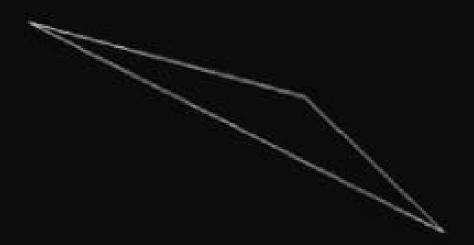
Mange

Enter the 1st point for the triangle:100 150 Enter the 2nd point for the triangle:320 210 Enter the 3rd point for the triangle:432 320





Enter the Transaction coordinates: 100 130



Names-Manjeet Singh Negis Courses-BCA-B-II Subjecté-Computer graphics Roll no: 1121081(02) Anss.
Bresenham's Circle algorithm step 48 staut Algorithm step 2: Dellare p,q,x,y,r,d vonables P, or one coordinates of the center of the counter circle or is the radius of the circle. step 3: Enter the value step4: Calculate d=3-27 steps: Initialize 2=0 & nbsy= > step6: check if the whole circle is scan converted of 217=4 step 7: plot eight point by using concepts of eight-way symmetry. The conter is at (p,q). corrent active pixel is (x,y).

putpixel (x+p, y+q)
putpixel (y+p, x+q)
putpixel (-y+p, x+q)
putpixel (-x+p, y+q)
putpixel (-x+p, -y+q)
putpixel (-x+p, -y+q)
putpixel (-y+p, -x+q)
putpixel (y+p, -x+q)
putpixel (x+p, -y-q)

Step 8: find location of next pixel to be sanned.

Then d=d+4x+6
increment x=x+1

In If dzo

then d=d+4x+6

then d=d+4x+6

then d=d+4x+6

increment x=x+1

decrement y=y-1

step 9: Go to step 6 step 70: stop Algorithm

Laivee!

include < stdio. h> # include (dos. h) # include (graphics.h) void drawciscle (int xc, int yc, intx, inty) putpixel (xc+x, yc+y, RED) putpixel Cxc-x, yc+y, RED putpixe (xc+x, yc-y, RED) putpixel (xc-x, yc-y, RED) pulpixel (XC+y, YC+x, RED) pulpixel (xc-y, yc+x, RED) putpixel CX(+1), 4C-X, RED) putpixel (xc-y, yc-x, RED) 2 void circleBresCint xc, int yc, int o) Ş ivt x=0, y= v; ivit d= 32 3-2 x 5; drawarde (xc, yc, x, y); while (y>=2) 火十十二 # (d>0) d= d+4*(x-y)+10; else. d=d+4#2+10; draw (incle (xc, yc, x, y); delay (50); 3

int main () int xc=80, yc=80, r2=30, int ga=PETECT, gm; intertgraph (Aga, fam, ""); circlebres (xgye, r); return 0;

