Nitell Rosest It include agraphics. h> include < Stdlib.h> include < stdio. h) include 2 Couio.h) include 2 modh. h > void main() int gui iwgd = DETECT, int X1, HZ, X3, Y1, YZ, Y.3, MX1, NXZ, NX3, NY1, NYZ, MY3, C, int SX, SY, XI, 91, float ti icuitgraph (fgd, fgm,"c:(tclbg;"), periulf ("freglamfor books freedactions");
periulf ("Enter as points of terrough"); set cilon (1), sconf ("1.87.01.87.87.87.87.87), 8x1, 4x2, 4x2, 4x3, 4x3), line (X1/21, X2//2); lim(x2, Y2/X3, X3); line (x3, x3, x1, X1); getch(); feuret ("1. Inousaction in 2. Rotation. In 3. Scalling in 4. Out peiruf ("Eulen youen clicite: "); Sleanf ("1'd", 2c). Sceitch (C)

period ("In Enter Vertrous Polion fector"); scouf ("1/d 1/d", ext, &yf). NX1=X1+X1; NY1= 41+77; NXZ=XZ+X\$/ NX5= 15+ 181. NX3- 8X3+XX1. N Y.3 = Y3 + Y f;lice (NHI, NYI, NXZ, NYZ); Wy (NXZ, NYZ, NX3, NY3). line (NX3; My3, NX1, NY1); getch C). peintf (" 'n Enter de ougle of Grafation") S(ouf ("/d", 491). J=3,14 \*91/180, NYI = abs(XI\* cos(t)-41\* sidf), 141 = abs(x1\*end(+)+41\*(08(+));

 $1 \times 2 = abs(x)^* (as(1) - y2 * sig(1));$   $1 \times 2 = abs(x)^* (as(1) + y2 * (as(1));$   $1 \times 3 = abs(x)^* (as(1) - y) * sig(1);$   $1 \times 3 = abs(x)^* (as(1) + y) * (as(1));$   $1 \times 3 = abs(x)^* (as(1) + y) * (as(1));$ 

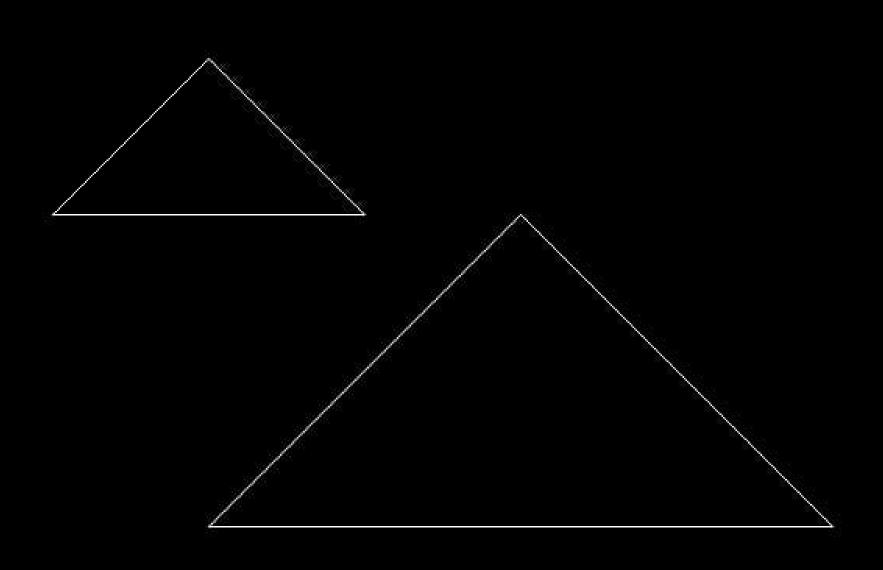
Mysh Pound

line (nx1,ny1, nx2,nx2); lim (NXZ, NYZ, NX3, NY3): lim(NX3, NY3, NX1, NY1); getch (). Cose 3; peirof (" (n Ewler Ku scalling fuctor"); scouf ("'(id'(id' ASX1454); NXI=XI\*SX; ny1 = 42 xsy; NX2=X2\*SX; NY2= Y2 \*SY) NX3 = X3 \* SX 1; NY3= Y3\*SY; drue (nx1, ny1, nx2,ny2); lim (NX2, Ny2, NX3, Ny3); getch(): buck, defaulti.

Rejuit ("Ethater und Action (."). Z (deregruph();

New Pouril





3) Algoreithun: Stepl: - Sport Step2: De clare p, q, 14, 4, or, I voewelles p, q and coverdrucoles to the center of the directe on is the seading of the circle Stap 3: Ewler the Value of or Stepu: celcelate d= 3-291 Steps: Furtalize x=0. ender = 91 Step6: Cluck if flewhole wache is skow converted. 1/4)= A Step 7: Plot eight points by cesing concepts of eight-cency Symmetry. The Center is cet (P, q). Covered active pitcel is (4,4), putpitel (x+p, y+q) pet pital (4+P, x+q) put pitcel ( =y+P, ++9,) pretprited (-H+P, y +q) pulpitul (-++P,-y+q,) padpittel (-y+P, -F++1) pulpited (y+P; -++9) pulpitual (on+P,-Y-1)

Whiele faul

Step8: Find loration of herd pittels 4 lee Scouned

If LO

thend × d + M+1+6

increment H = H+1

If d ≥ 0

then d = d + 4 (H + y) + 10

increment H = y × +1

descend y = y -1

Step 9: Goo to step6

Step 10: Step

Nites Goul

```
# include ¿ geraphics. h>
#include Zsidro.h>
Void pitel (out XC, out xc, outx)
insurein ()
       int gd, gam, xc, xc, xc, x, y, P,
        dete de geiegh (4gd, fgm);
       i witguaph chod, Low, "c:// Twolo (3/1301]").
       regulf ("Ewter Tourier gains!");
Scouf ("1.0 1.0", & XC, &YC);
        Scout (" '-d!, f. 97).
          P=3-2*91;
          Pitcel (HC,YC,X,Y).
         vilile ( XZy)
          if (PCO)
            1 deti
               P=8+4* X+6;
               = b+4x(N-A) 40;
```

Mish frent

```
pitel (& c, yc, d, y);
 9etch ();
closequaph ();
& leducer O.
void Pital (ill xc, red yc, red x, ruly)
& pulpitul(xc+x,yc=q, white).
   Pulpitul (XC-H, gC+y, WHITE).
   Pret Pittel (AC-A14C-A14C-A1MTITE),
   Put pitul (xcty, gctx, ufl Ite);
   pulpituel (acty, your, well TE);
  put pital (HC-yi yc + HI caeHITE);
   parpitul (AC-A'AC-AICONTIE);
```

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