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named Curves, colors and que h has pour entreus namely tral. The color menu has sul tor model.
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(by model)
Constitution of the consti
ne priorite
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Caronear's Ottol
d=2, Hrrulcap=3, spiral=
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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t upsland off
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Carry de la caractería
\$14.41.0 00 m
LOWER OF ALL MARKET

Teacher's Sianature \_

```
void draw (une (int culviNum) f
    const double twops = 6.283187;
     const for a =175, b=60)
     float T, thetaid thera = 1.0 (proatlas)
     1 at x0= 200, 40= 250;
     Screeppt culurphiz;
     culve = curvenum)
     3 ( coloust ( sed , duen , pring);
     curve pt [0]. x = x01
     courptlo]. y= yo;
     gillean (GL-COLOR_BUFFER-BIL);
     Switch (www.now) of
     case Itmacon: curvept(0]. += a+b; break;
     case cardioid: curvipt[0].x+=a+a; break;
     case threeleas: cuevePtCoJ. Xt = a & break;
     case spiral: breale;
     defaut : brock;
   theta : althera;
  while (Hicha < twops) &
            Switch (aurus Num) {
              case Irmacon er = a * cos(thua) +b; break;
             call condinied: r= a * (1+(os(thera)); breat;
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	case threeleap: = a* cos(3 * theta); break;
	case spreal: r=(a(4.0) * theta; break;
And the second s	dyant: break;
y	
灌一	currept (1).x = ro+r * cos(theta);
	curucpt [1].y = yo+ r & sin (thela);
	Tinesegment (wwystlo), www.ptlij);
	Chamilton Committee
	currebt(o) x = currebt(i].x;
a Ref.	there t = dhota;
<u> </u>	F ( M. ) - MARINE
<u>y</u>	
UO:	
	swirth (rd) 1
	300000
	care o:
	breale;
Wall of	grand of the control of the control of the
	case 1:
***	red 20;
, if	green = 03
# - 4 #2	blue = 13
	break;
	case 2!
	green=1; brealos

```
case 3:
            red=01 green=0; blue=1; break;
   conct! red=0; gran=1; blue=01 brand;
    Cour 6: red = 1; green = 0; blue = 1; break;
    cale 6: red=1; green =1; blue=0; bread;
    cuic 7: ored 21; green 21; bue =1; break)
     dyant: breaks we was any - M. C. M. W. S. M. W. C.
   draw cure (cure);
void mais-meru (tre td) {
        1 (ps) dallma
          case 3: fait(0);
          dyault: break;
  3
void mydisplay 174
                            bacare:
       gillon (GL-COLOR-BUPPERELBIT);
      print (x 1-limicon1n2-condioid) n3-thre regen 4-sphallow)
       scappfala, temmani);
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	und mais (ent assi, chatte assi) {
	glutinit (4 arg (, asv);
	gluthir Duplay Mode (GLUT_STNGLE   GLUT_RGB);
	g Lut But windowsize (w, h);
	glutinithandow position ( 100,100);
	int curred = quit createmoru (draw curre);
	glub Add Monu Frtry ("Lima con", 1):
	glut Add Menu Er try ( " cardeoid", 2);
	glut Add Menu Brry (" Three Leap "13);
	glut Add Monterry ( "spiral", 4);
	glut Attachmenu (GLUT_LEFT_BUTTON);
	ent colored = gluttreatement (lo lor nomenis),
	guithal more formy (4 Red 1, 4);
	glut Add Moru Erry (" Green", 2)",
	gur Addraem Brty (4 whiti, 4);
	9 CUT AHABMON (GLUR LEFIBUTTON);
	glut (reatimene (mais_meni);
	9(ut Add subranu (" draw wwe", curued);
	glutheld Bubranu ("Colors", colored);
	gutathannu (GLUT-LEFT-BOTTON);
	myfatt();
	guapaplay for ( mydsp by);
	glutnaisloops;
	4

Teacher's Signature \_\_

## **OUTPUT:**







