

```

Input "X1:",A
Input "Y1:",B
Input "X2:",C
Input "Y2:",D
ClrHome
Disp {A,B}
Disp {C,D}
A+C→E
B+D→F
Output(3,1,"X:")
Output(3,3,E)
Output(4,1,"Y:")
Output(4,3,F)
Output(5,1,"R:")
Output(5,3,R▶Pr(E,F))
Output(6,1,"θ:")
Output(6,3,R▶Pθ(E,F))
Disp "","","","","",""    PRESS ENTER"
Pause
min({0,A,C,E})→Xmin
max({0,A,C,E})→Xmax
min({0,B,D,F})→Ymin
max({0,B,D,F})→Ymax
10^int(log(max(Xmax-Xmin,Ymax-Ymin)/2))→Xsc1
Xsc1→Ysc1
GridOn
max({ΔX,ΔY})→ΔX
max({ΔX,ΔY})→ΔY
ClrDraw
FnOff
PlotsOff
Line(0,0,A,B)
Line(0,0,C,D)
Line(A,B,E,F)
Line(C,D,E,F)
Line(0,0,E,F)
DelVar A
DelVar B
DelVar C
DelVar D
DelVar E
DelVar F

```