

Ministry of Higher Education and Scientific Research
University of Anbar
College of Computer Science and Information Technology
Computer Science Department



Computer Graphics 2D

4th Lab

By:

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Circle Drawing Algorithm: Direct

```
xc =50;  
yc = 10;  
r=5;  
x= -r ;  
while x<=r  
y1 = +sqrt(r*r-x*x);  
y2 = -sqrt(r*r-x*x);  
plot ((xc+x),(yc+y1), '*');  
    hold on;  
plot ((xc+x),(yc+y2), '*');  
x=x+1;  
end
```

