8.7

$$y = x(t) = x_0 + v_x t$$
 $y(t) = y_0 + v_y t - 16t^2$
 $y(t) = -16t^2 + 20t$
 $y(t) = 15t$
 $y(t) = 15t$
 $y(t) = 15t$
 $y(t) = 5t$
 $y(t) = 15t$
 y

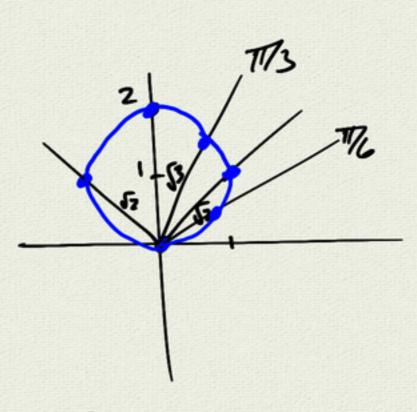
= 15.5

- 75 H

3.5 Polar Graphs graph = set {(x,y) | x=5} (y can be anything) {(r,0) | r=5} (O can be anything) circle radius 5 $y = r \sin \theta + \cos \theta = \frac{y}{x}$ r=5

r=5 $r^2=5^2$ $x^2+y^2=5^2$ (Standard circle equation)

01	siut	r=2sin0
0	0	0
1/4	四元	1/2
1/2	1	2
3774	52/2	JZ
π	0	10



$$r^2 = 2 r s m \theta$$

$$x^{2}+y^{2}=2y$$

$$x^{2}+(y^{2}-2y+1)=0+1$$

$$x^{2}+(y^{2}-2y+1)=0$$

$$x^{2} + (y-1)^{2} = 1$$

radius |

center (0,1)

$$|x^{2}+y^{2}=r^{2}|$$

$$(x-h)^{2}+(y-k)=r^{2}|$$

$$circle (auto(h,k))$$

$$(y-k)^{2}|$$

$$=y^{2}-2ky+k^{2}|$$

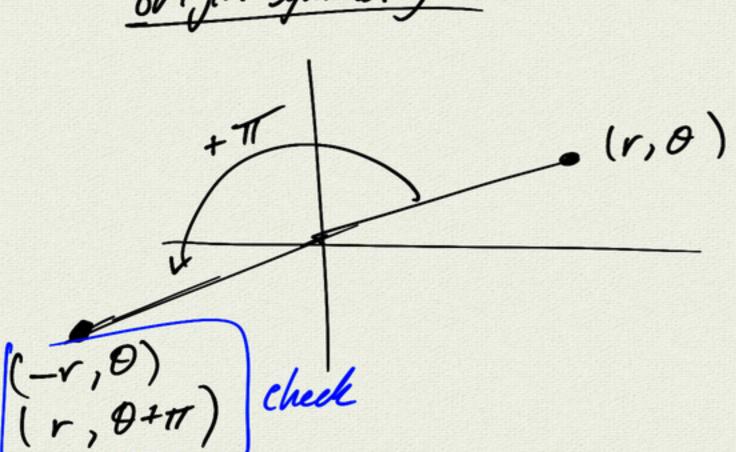
-	,	VE	
.01	c050	sect	25ec0
1/6	15/2 1/2 0	2/13	2 4/53 72 252 22.8 4 welst.
"/2	10	undet.	willet.

r= 25ec0

$$r = \frac{2}{\cos \theta}$$

$$r \cos \theta = 2$$

(r,-8) (he (-r, T-8)



r= 451130 54130=±1 max Ir | value = 4 when 30 = 亚+ KT =#14#

Check y-axis symmetry