





1) y= 12x+c

92 + 42 = 1

≥ a=2 & b=1

=> x2 + (\(\frac{1}{2}\times+0)^2 =1

 $\Rightarrow x^2 + 2x^2 + c^2 + 2\sqrt{2}cx = 1$

=> x2 + 8x2+4c2 + 8\2cx=4

> 9x2+4c2+8√2cx=9

=> 9x2+8v2cx+9c2-4=0

2 x2 + y2

P(2,3)

2 x x + yy = 1

=) 22 + 89 =1

> {36×+24y=144

3x + 2y=12

(a) $\frac{\chi^2}{4} + \frac{y^2}{6} = 1$

(x2+y2) = 600+B6 4+6

@ 3x+4y= J7

3x2+4y2=+

 $\frac{\chi^2}{\chi^2} + \frac{y^2}{3} = 1$

→ coto=1 → 0=45°

6 (3x +4y) = \$ 24xy =1

7 - 29ny=1

=> 24xy = 6

=> xy=4/4

