$$\begin{cases} \sin\left(\frac{x+y}{2}\right) = 0\\ (x+y)^2 - 3 = 2xy \end{cases}$$

fx+y=lun, neZ

$$\frac{x+y}{2} = \pi n \rightarrow x+y=2\pi n$$

$$2x^{2} - (4\pi h) x + 4\pi^{2}h^{2} - 3 = 0$$

$$D = b - 4ec = 16\pi^{2}h^{2} - 8(4\pi^{2}h^{2} - 3) = 16\pi^{2}h^{2} - 32\pi^{2}h^{2} + 2470$$

$$\begin{array}{c} x^{2} + y^{2} = 3 \\ x^{2} + (-x)^{2} = 3 \\ & 2x^{2} = 3 \\ & 2x^{2} = 3 \\ & x^{2} + (-x)^{2} = 3 \\ & 2x^{2} = 3 \\ & x^{2} + \sqrt{2} = 3 \\ & x^{2} + \sqrt{2}$$

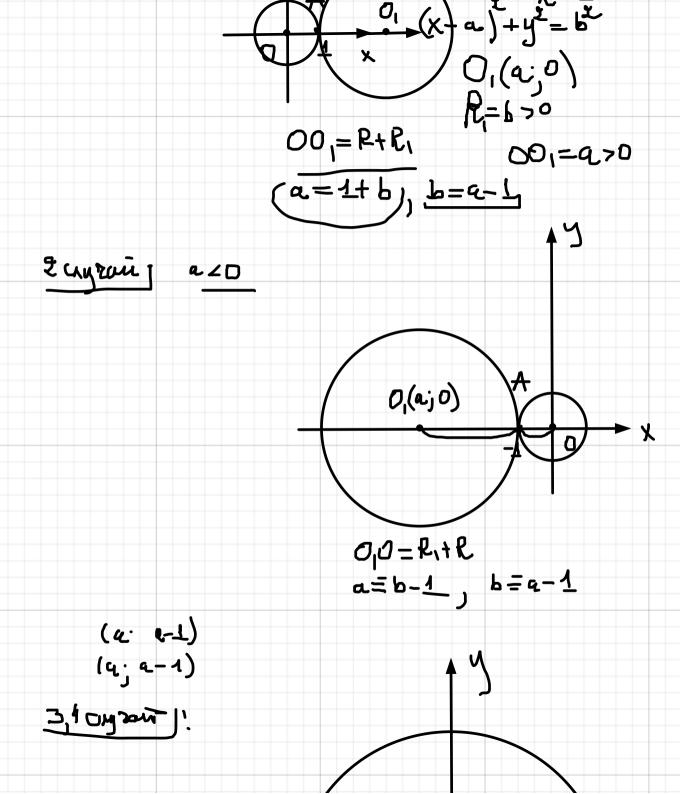
3. Составить уравнение окружности, вписанной в треугольник, стороны которого лежат на прямых x=0, y=0, 3x+4y-12=0.

1) cnowd. 
$$AB = \sqrt{0}B^{2} + 0A^{2} = \sqrt{9} + 16 = 5$$

$$S_{A}ABC = \frac{1}{2}0B \cdot 0A = \frac{12}{2} = 6$$

$$S_{A}ABC = P \cdot 2 \qquad P = \frac{5}{9} = \frac{6}{3+4+5} = \frac{6}{6} = \frac{1}{4}$$

1 chards: 
$$s(\rho_1, \ell) = \frac{3z+4z-12!}{\sqrt{3^2+4^2-12!}} = \frac{1}{2}$$
  $\frac{3z+4z-12!}{\sqrt{3^2+4^2-12!}} = \frac{1}{2}$   $\frac{3z+4z-12!}{$ 



$$\frac{4 \cdot a \cdot b}{-1} = \frac{17 \cdot a \cdot b}{1}$$

$$0 < a < 1 : 00 = R - R_1 \cdot a = 1 - b$$

$$b = 1 - a$$

$$a = -1 + b$$

$$(a : 1 - a)$$

$$-1 < a < 0 : 00_1 = R - P_3$$

$$a = -1+6$$

$$b = a + 1$$

$$(a : a - 1)$$

Orbet: 
$$(a; a-1)$$

Orbet:  $(a; a-1)$ 
 $(a; -a-1)$ 
 $(a; -a+1)$ 
 $(a; +a+1)$ 
 $(a; \pm a-1)$ 

Orbet:  $(a; \pm a\pm 1)$ 

