2.3.-9: 0.D.3.! x 70 1) Sin×=0 sinx = 0 /=> x20, T, 2T, 3T, ... Orber: x=k.TT, k=7,2,3,.... 2) Orbeo! penna accorny yp-ni: (y-k1.x-b1=0 }y-kz.x-bz=0 ) y-kg·x-bg=0 Orber! Una repecerso xxxx de ogny inuns, ean bourensers: /azb.sind/ 4\*\*) sin(a.x) = 0 0.D.3: (0,01 < a < 0.02 <=) (=) 1 La.x < 10 a.x=0 u.x = 9 a.8=21 u.8=35T , no => a.x = 45 (=)  $x = \frac{k.\pi}{a}, k \in (0,2,3)$ 12.6.2) 4.y-3x+12=0, 7y+x-14=0 2-?  $t_{y} = \frac{A_{1}B_{1} - A_{1}B_{1}}{A_{1}A_{1} + B_{1}B_{1}} = \frac{7 + 27}{-3 + 28} = \frac{25}{25} = 7$ (L = 45°) 77.6.4) x= 12 , x=-13 d-? Aprime 4 = (L=0°)

$$72.6.5) y^{2}-2x-2y-5=0$$

$$y^{2}-2y-5=2x$$

$$x=\frac{2}{3}y^{2}-y-\frac{5}{2}$$

Usu: C.y2+D.x+E.y+F=0

Ookeo: neepadara

$$72.6.6)$$
  $3x^2 + 5y^2 + 12x - 30y + 42 = 0$ 

$$3\kappa^2 + 12\kappa = 3(\kappa^2 + 4\kappa) = 3\cdot(\kappa^2 + 4\kappa + 4 - 4) =$$
  
=  $3((\kappa + 2)^2 - 4) = 3(\kappa + 2)^2 - 72$ 

$$58^2 - 30y = 5(9^2 - 6y) = 5(9^2 - 6y + 9 - 9) =$$
  
=  $5((9-3)^2 - 9) = 5(9-3)^2 - 95$ 

$$3(x+2)^2-12+5(y-3)^2-45+42=0$$

$$3(x+2)^2 + 5(y-3)^2 = 75$$

$$\frac{(x+1)^2}{5} + \frac{(y-3)^2}{3} = 7$$
 Orbeo! Dunc

$$77.6.7) 2x^2 - y^2 + 6y - 7 = 0$$

$$-y^{2}+6y=-7\cdot(y^{2}-6y)=-7(y^{2}-6y+9-9)=$$

$$=-7((y-3)^{2}-9)=-(y-3)^{2}+9$$

$$2x^2 - (y-3)^2 + 9 - 7 = 0$$

$$2x^2 - (y-3)^2 = -2$$

$$\frac{x^2}{-1} + \frac{(y-3)^2}{2} = 1$$
 Orbeo: runepoolea

$$2x^{2}-28x = 2(x^{2}-74x) = 2(x^{2}-74x+49-49) =$$

$$= 2((x-7)^{2}-49) = 2(x-7)^{2}-98$$

$$-3y^{2}-42y = -3(4^{2}+74y) = -3(4^{2}+74y+59-49) =$$

$$-342-924 = -3(4-7)4) = -3(42+794+59-99)$$

$$=-3((y+7)^2-49)=-3(y+7)^2+747$$

$$2(x-7)^2-98-3(y+7)^2+747-55=0$$
  
 $2(x-7)^2-3(y+7)^2=6$   $\frac{(x-7)^2}{2}-\frac{(y+7)^2}{2}=7$  runepoona