30gara 2 8 4 = 2-13t

\$080ra 8 \$ (not, 24) y=±2x 1 = 42 = 1 (1252), K - 242 K=L 188, K - 576 K = 1 1152 K - 576 K = 4 K = 4 = 144 x2, 1 - 42 = 1 a=12 8=24

Bagara 10 x2- exg - 3 tex + ge - sit y=0 anxl+ lanxy + lanx + lange + larsy tans IF a,=1; an=-1; an=-30; an=1; 1 013=-50 0 93=0 det an an = 1-11 =0 d xt=x'cosp - y'sinq yt=x'sinq + y'cosq x'2 coscep - 2x'g' sospsing + y'2 sin24 --2 (x'cosq - g'sing) (se'sing + y'cosq) + x'3 in24 + 2x'y' sing cosq + g'2 cos2p+ ... -2 x'y' cospsing + ex'g' singlosp + x'y' cos24 - g'xsin x'y'(cos2 4 - sin24) = 0 /: sin24 ttg 2 4 = 1 4 = 16

 $F_{1}=(-53,-5)$ $F_{2}(53,-5)$ $X=\frac{4054}{56}$ $|F_{1},F_{2}|=\sqrt{53+53}f=112$ C=564= (53+53) -59 = -3 d= 4057 +3 E7544 a Jác = 545.56 = 64,8 8 = Ja2-c2 = 541998,09-318 = 32,6 Bagara 6 -4x2-8x-282-12y-2=0 4x2+8x +2gl+ 12y+2=0 1x2 +8x+4) + 2y2+ 12g+ 2x2 +4x +92+69+2 (2x2+4x+2)+(42+69+9)-9=0 (Fix + JE)2 + (y+3)2 - 9 =0

(JE (x+1))2 + (y+3)2 = 3 2 (x+1)2 + 1 (y+3)2 = 1 [-1;-3) Bagara 4 F(0,0) X=8 d = FF = Jx4g2 184g2-1X+892 4 = x + 16x+64-xt d2 = x+8 42 = 16 (x +4) x = -4+ (-p/2) -8 = -4 (-p/2) -2 = -p/2 -== 2 P=-4

sagara 9 Z = - 52 + 5x2+g2+1 (z+52)2 = (ik2+92+1)2 22+200 (2+J2)2 = x2+g2+1 x2+g2 - (Z+J2)2 2-1 Jus myasadous whepbalous Degscholoemsesei

3agora 2 $\begin{cases} x = -8 - t \\ y = 2 - 13t \end{cases}$ $\begin{cases} x = -13 + 5t \\ y = -15 + 5t \end{cases}$ $\frac{1}{12} = \frac{9-12}{-13}$ $\frac{1}{5} = \frac{9+13}{5}$ $\begin{cases} -13(x+8) = -1(y-12) \\ 5(x+13) = 5(y+13) \end{cases} = 3\begin{cases} 13(x+8) = y - 12 \\ x+15 = y+15 \end{cases}$ 13x + 10\$ = x-12 12x = -116 y=x = -3,6

8 (-5,-4) g = g' + b g = g - b g' = g - b g' = -22) {x''= x'cosq +g'sinq {y''= -x'sinq +g'cosq 28 2"= 6. 52 + (-3). 52 2"= 6. 52 -3. 52 ×11 = -312 - \$,55 € - 4,55 € - 6,5 当" × 3月 - 15月 = 1,5月 × 2,12