$$V_{xy}^{"} = V_{yx}^{"} = -2\frac{x}{y^{2}}$$

$$V_{zx}^{"} = V_{xz}^{"} = 0$$

$$V_{yz}^{"} = V_{zy}^{"} = -\frac{2y}{z^{2}}$$

3.
$$V = X^{2} + g^{2} + Z^{2}$$
 $V'_{x} = 2X$
 $V'_{y} = 2g$
 $V'_{z} = 2Z$
 V'

5".
$$V = log_{2,1}(x^2 + g^2 + z^2)$$
 $F(-19, 8, -9)$
 $V_x' = \frac{2x}{(x^2 + g^2 + z^2)ln21}$ $V_y' = \frac{2g}{(x^2 + g^2 + z^2)ln21}$ $V_z' = \frac{2\pi}{(x^2 + g^2 + g^2 + z^2)ln21}$ $V_z' = \frac{2\pi}{(x^2 + g^2 + z^2)ln21}$

6.
$$U = x^{2}y + \frac{1}{3}y^{5} + 2x^{2} + 3y^{2} - 1$$
 $U'_{x} = 2xy + 4x$
 $U'_{y} = x^{2} + y^{2} + 6y$
 $(2 \times (g+2) = 0)$
 $x = 0$; $y^{2} + 6y = 0$
 $y(g+0) = 0$
 $y = 0$, $y = -6$

$$y = -2$$
: $x^{2} + 4 - 12 = x^{2} - 8 = 0$
 $y = 0$; $y = 0$

Δ₂=4(g+ Δ₂(-2√2;-2)= 0-4.8=-32 < 0

ta [(-2√2; -2) - ceg10 δαα το ακα]