$$-9x^2-36x+4y^2-329-8=0$$

$$-9x^{2}-36x+c=0$$

$$-9(x+1)^{2}=0$$

$$-9(x+1)^{2}=0$$

$$-9(x^{2}+9x+9)$$

$$-9x^{2}+36x-36$$

$$-9x^{2}+36x-36$$

$$-9x^{2}+36x-36$$

$$-9x^{2}+36x-36$$

$$4 \left( y - \frac{32}{2 \cdot y} \right)^{2}$$

$$4 \left( y - 4 \right)^{2}$$

$$4 \left( y^{2} - 8x + \frac{16}{3} \right)$$

$$4 \left( y^{2} - 8x + \frac{16}{3} \right)$$

$$4 \left( y^{2} - 8x + \frac{16}{3} \right)$$

$$\left(\frac{ax + \frac{b}{2}}{2}\right)^{2}$$

$$a\left(x - \frac{c}{2a}\right)^{2}$$

$$= (-9 x^{2} + 16 x - 16) + 16 + (4y^{2} - 32 + 64) - 64 - 8 = 0$$

$$(-9(x+2)^{2} - 36 + (4(4-4)^{2}) - 64 - 8 = 0$$

$$= (-9(x+2)^{2} + 4(4-4)^{2}) = 8 + 64 - 16$$

$$= (-9(x+2)^{2} + 4(4-4)^{2}) = 6^{2}$$

$$-9(x+2)^{2} + 4(4-4)^{2} = 6^{2}$$

$$-(x+2)^{2} + 4(4-4)^{2} = 1$$

$$-(x+2)^{2} + (4-4)^{2} = 1$$

For a time brumpusht

$$\frac{(Y-4)^2}{3^2} - \frac{(X+2)^2}{2^2} = 1$$

Siden aksien til parabieden er paraddellmed Y-aksien, da får vi

Paraboloiduen Z=X+X+y^2-34 Planuet Z=4+X-34