\[ 4x^2 + 9y^2 - 36 = 0 \]

\[ \frac{x^2}{a^2} + \frac{y^2}{b^2} = 1 \]

Det er en ellipse.

Conic Sections

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\[ Ax^2 + Bxy + Cy^2 + Dx + Ey + F = 0 \]

\begin{align*}
A &= 2.0 & B &= 0.0 & C &= 1.0 \\
D &= -12.0 & E &= -4.0 & F &= 18.0 \\
\text{transforms:} & & & \\
& & & \\
& & & \\
& & & \\
\end{align*}

Type: ellipse

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How to use

- Click the "+" and "-" buttons under each value to change that value. Holding a button down causes the action to be repeated.
- The "Circle" button sets the coefficients to represent the equation \( x^2 + y^2 - 1 = 0 \) (the initial values).
- The "Hyperbola" button sets the coefficients to represent the equation \( x^2 - y^2 - 1 = 0 \).
- The "Parabola" button sets the coefficients to represent the equation \( x^2 - y = 0 \).

Examples

- Translated parabola: \( x^2 - y = 0 \), translated to \((h,k)=(2,1)\)
- Ellipse \( x^2 + 4y^2 - 4 = 0 \)