Answer on Question #46876 – Math – Analytic Geometry

Graph the ellipse with equation x squared divided by forty nine plus y squared divided by thirty six = 1

Solution:

Graph the ellipse with equation:

$$\frac{x^2}{49}+\frac{y^2}{36}=1$$

Ellipse has vertices in points (-7;0), (7;0), (0, -6), (0, 6).
Ellipse was drawn using MAPLE 15:

$$implicitplot\left(\frac{x^2}{49}+\frac{y^2}{36}=1, x=-10..10, y=-10..10, title\right.$$

$$="\text{Graph of ellipse}", axis=[gridlines=[30, colour=green],$$

$$majorlines=2]], caption=typeset\left("\text{A plot of }", \frac{x^2}{49}+\frac{y^2}{36}=1,\right.$$

$$\left."."\right), axes=normal, labels=["\text{x values}", "\text{y values}"],$$

$$\left.labeldirections=[horizontal, vertical]\right)$$