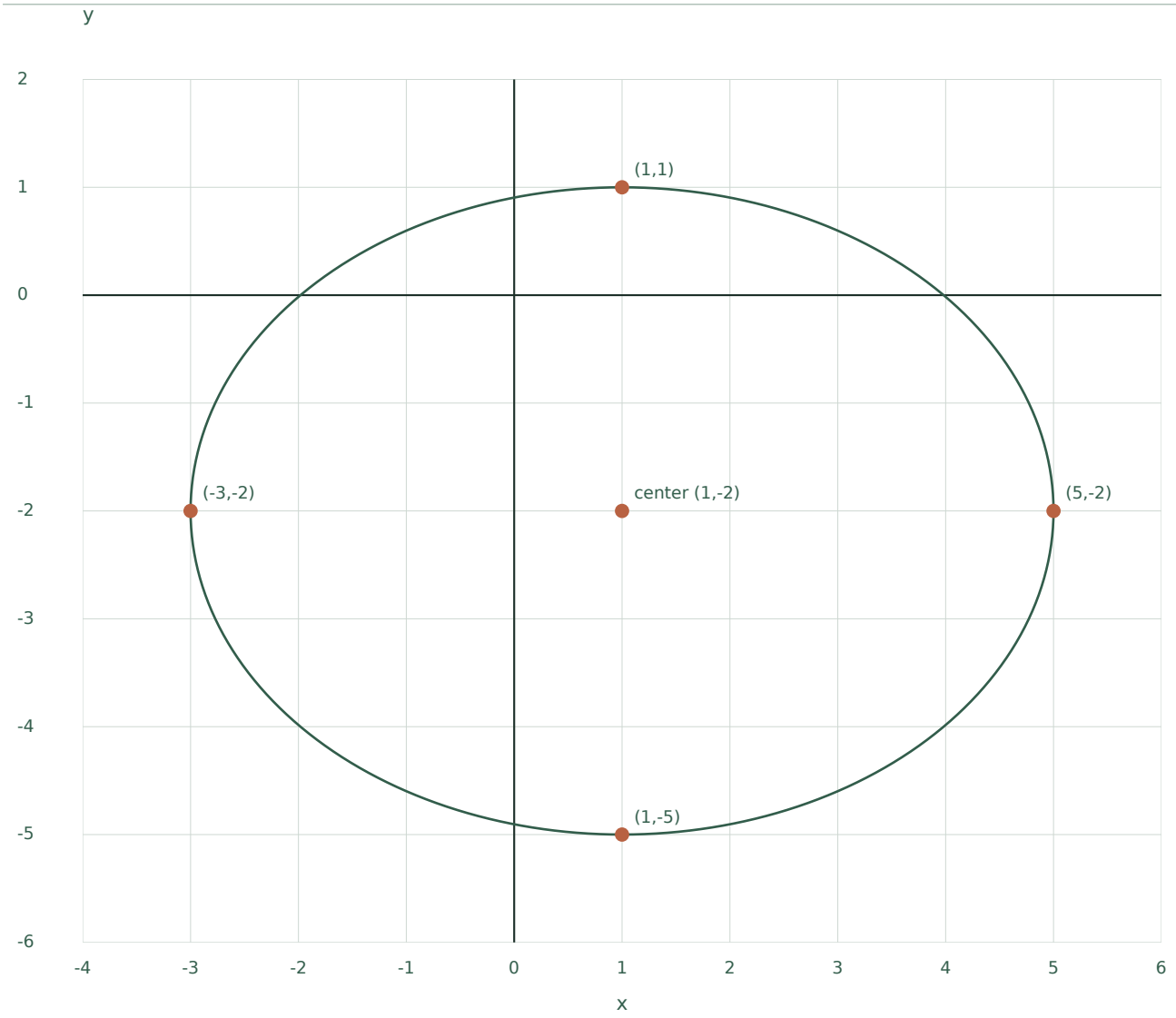
Sketch an Ellipse from Its Equation: Center, Semi-Axes, and Grid

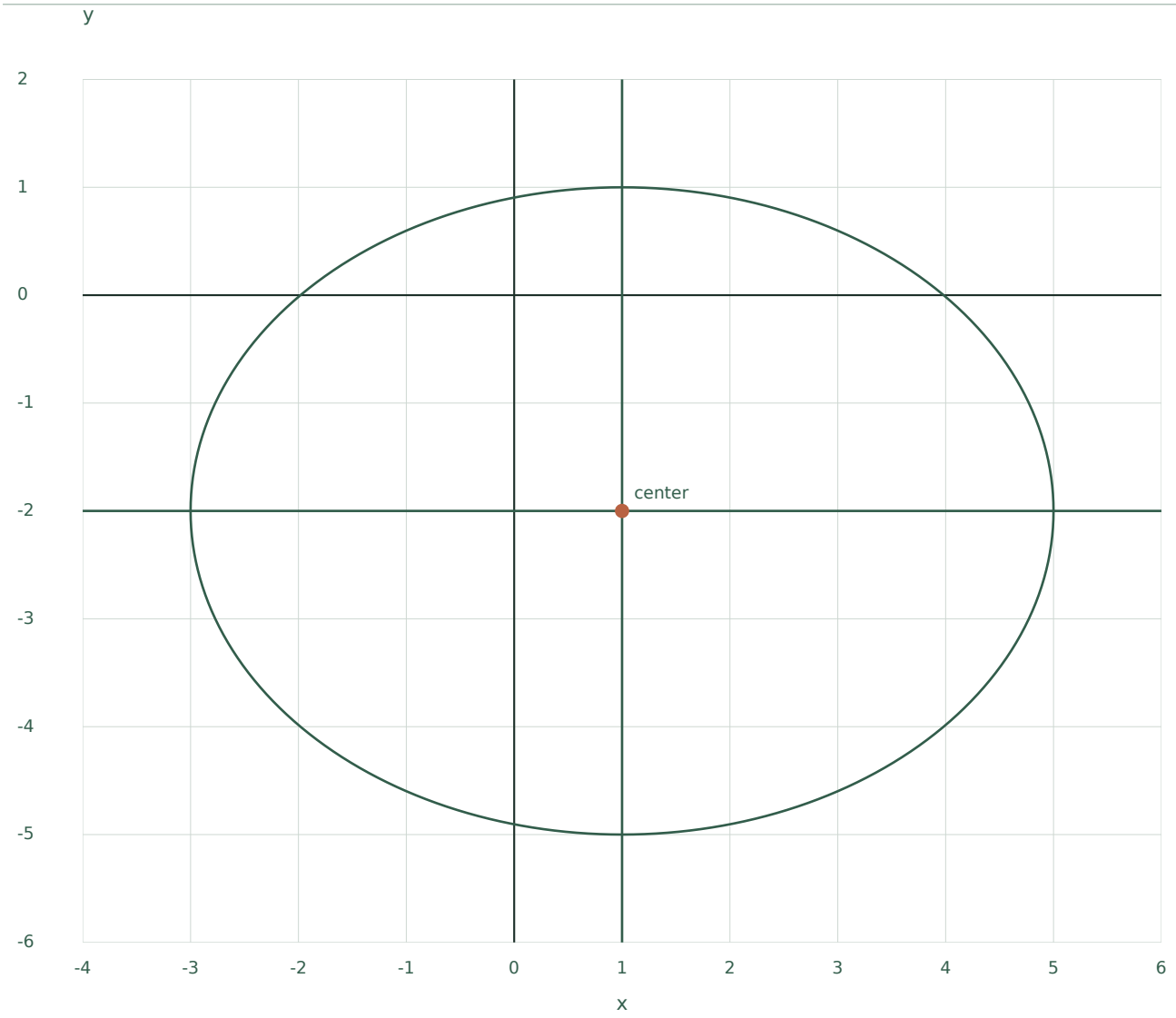
Worked example: (x - 1)^2/16 + (y + 2)^2/9 = 1



Semi-axis lengths labeled: a=4 horizontally, b=3 vertically. Symmetry lines x=1 and y=-2.

Sketch an Ellipse from Its Equation: Center, Semi-Axes, and Grid

Worked example with symmetry lines



Symmetry about x=1 and y=-2.