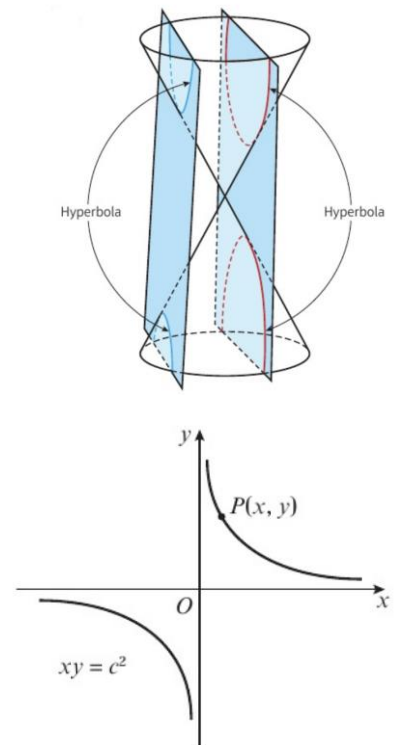


2D Rectangular Hyperbolas



Eccentricity

What makes it rectangular?

1. The rectangular hyperbola H has Cartesian equation $xy = 64$. The line l with equation $x + 2y - 36 = 0$ intersects the curve at the points P and Q .
 - a) Find the coordinates of P and Q .

- b) Find the equation of the perpendicular bisector of PQ in the form $y = mx + c$.