A plane that intersects all 3 coord. axes.

A cylinder w/ rulings ll to the x-axis.

An elliptic paraboloid.

\[ -x^2 + y^2 - z^2 = 4 \]

Rewrite as \(-x^2 + y^2 - z^2 = 4\) to see that this is a 2-sheeted hyperboloid w/ its axis as the y-axis.