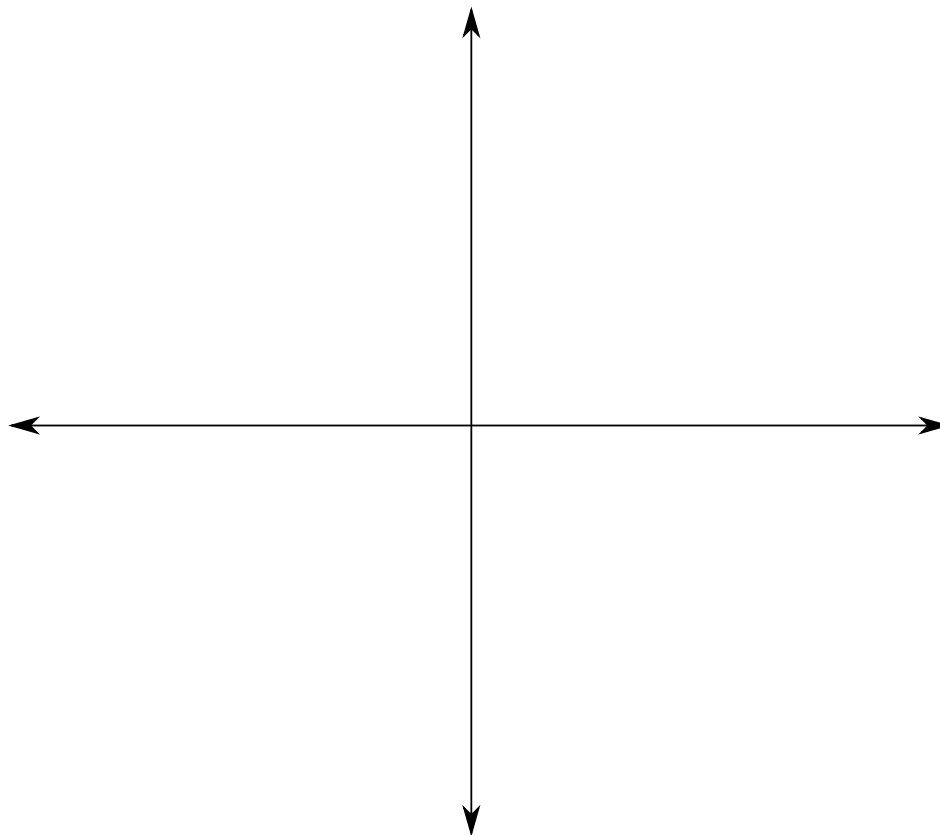


Name:

1. Sketch the level curves $f(x, y) = c$ for the function $f(x, y) = x^2 - y^2$, for $c = -2, -1, 0, 1, 2$ on the axes below:



2. Calculate the partial derivatives of $f(x, y) = xy^2 \sin(x^3)$ and evaluate them at the point $(0, 2)$.