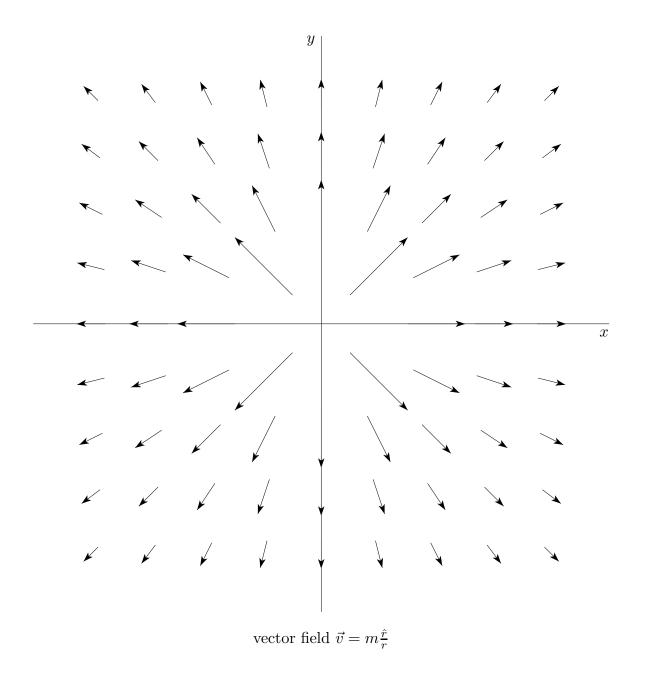
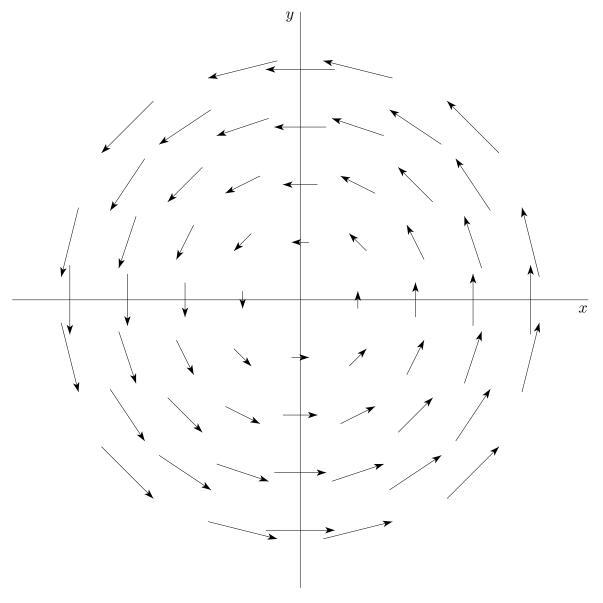
Point Source



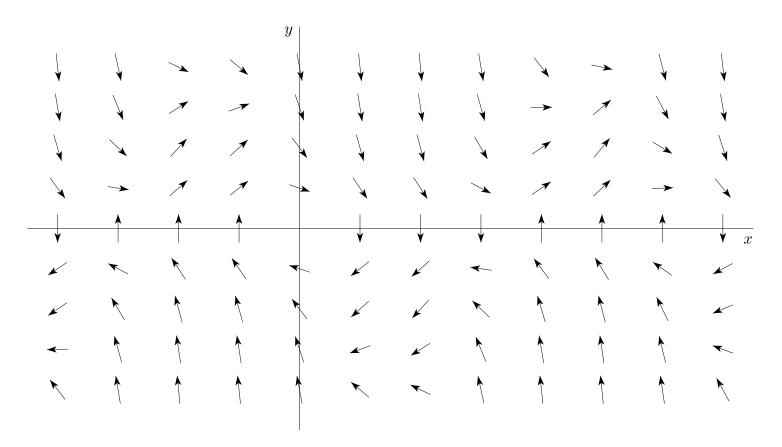
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Vortex



vector field $\vec{v} = \Omega(-y\hat{\imath} + x\hat{\jmath})$

The Damped Nonlinear Pendulum



direction field for x' = y, $y' = -y - 2\sin x$