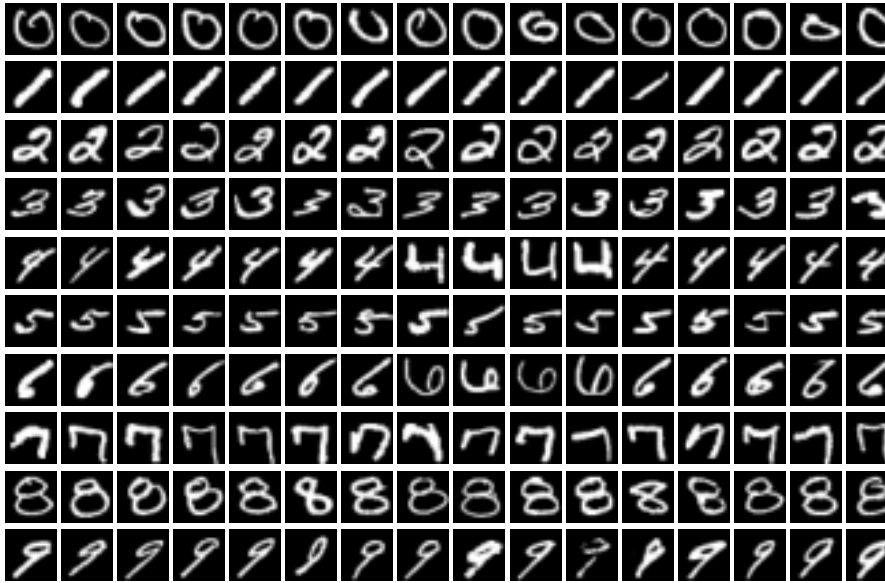Boundary images