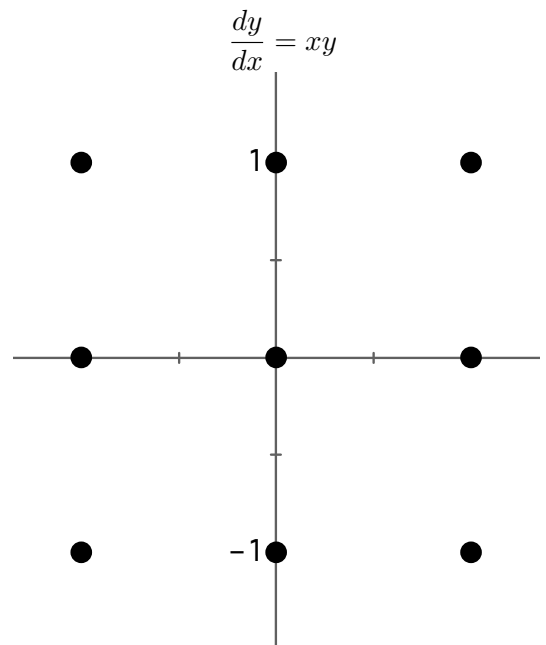
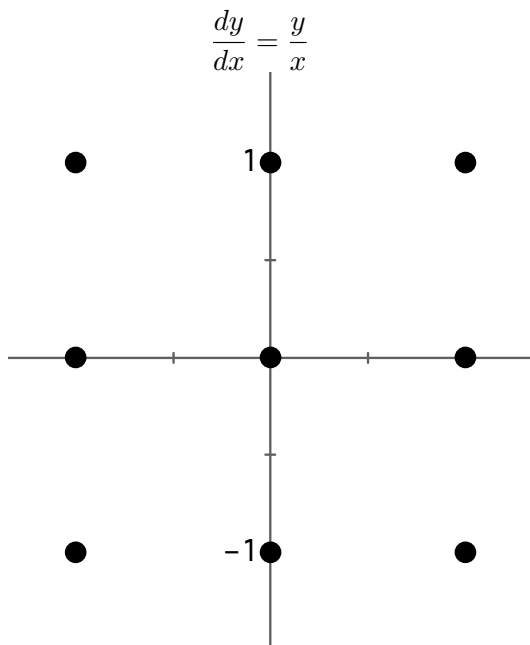
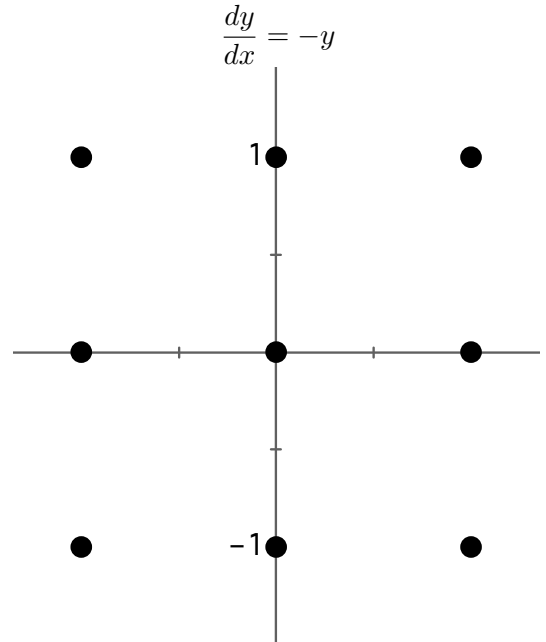
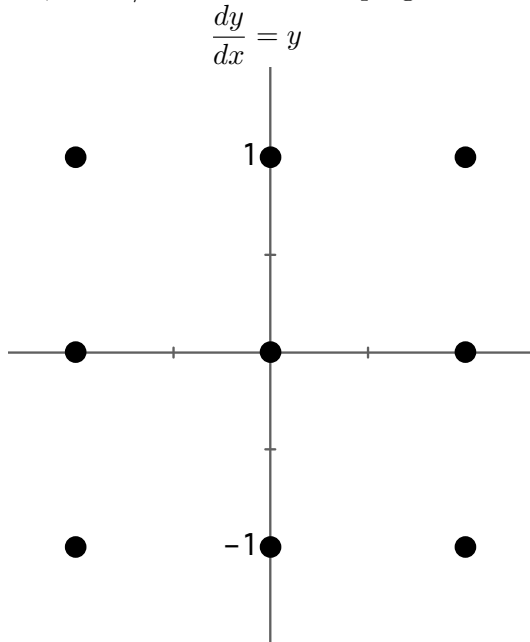


## 11.2 Slope Fields for Differential Equations

A slope field is a collection in the plane of short (tangent) lines or slope marks centered at points  $(x, y)$  with slope  $dy/dx$ . Sketch the slope field at the indicated points for the given differential equations listed just above them. The tick marks are at 0.5, so the points consist of coordinates with 0, 1 and/or -1 in them to plug into the differential equations.



Given an initial starting place (an initial condition), the slope field is a set of signposts directing you across the plane. First match the slope fields to the differential equations on the front of this worksheet. Then draw a few solution curves.

