

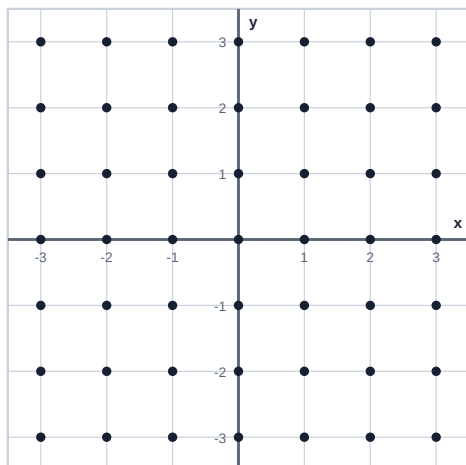
Drawing and Identifying Slope Fields

Sketch the direction field for each differential equation at all 49 marked lattice points.

A slope field shows local tangent directions, not a solution curve.

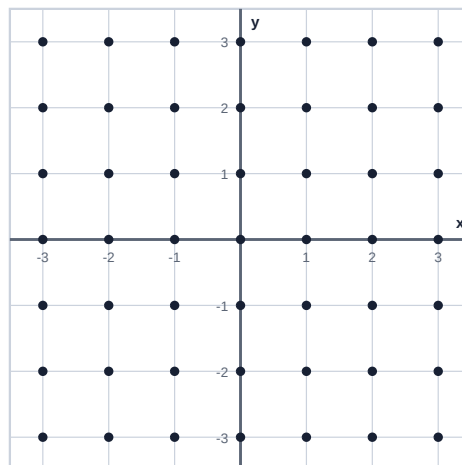
1.

$$\frac{dy}{dx} = -2$$



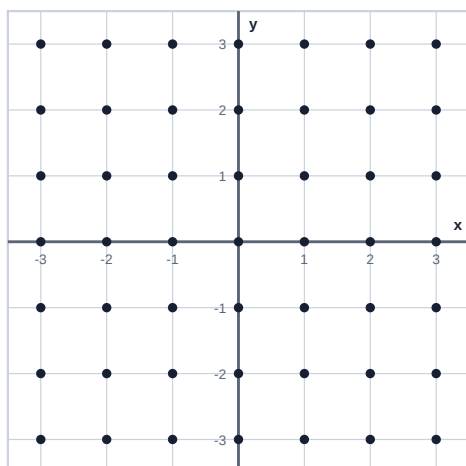
2.

$$\frac{dy}{dx} = -2 \cdot y$$



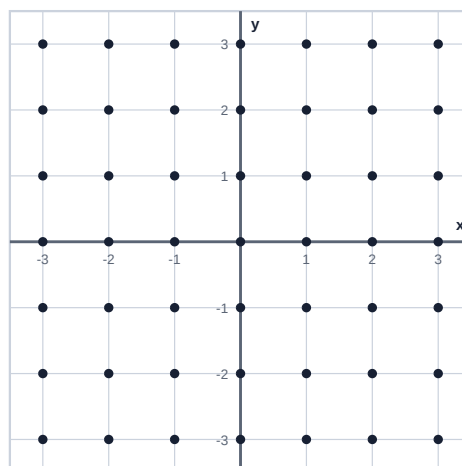
3.

$$\frac{dy}{dx} = -2x^2 - 2xy - y^2 + 2x - 2y + 1$$



4.

$$\frac{dy}{dx} = x - 2y - 2$$



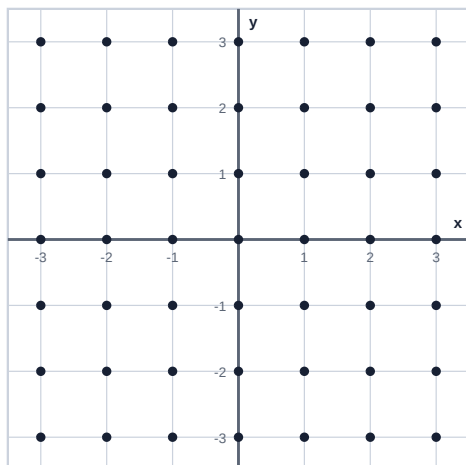
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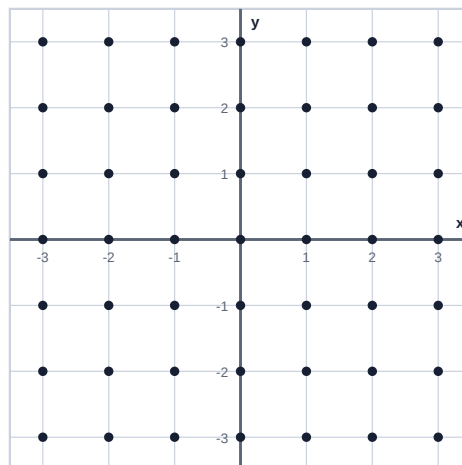
5.

$$\frac{dy}{dx} = -1 - x \cdot y$$



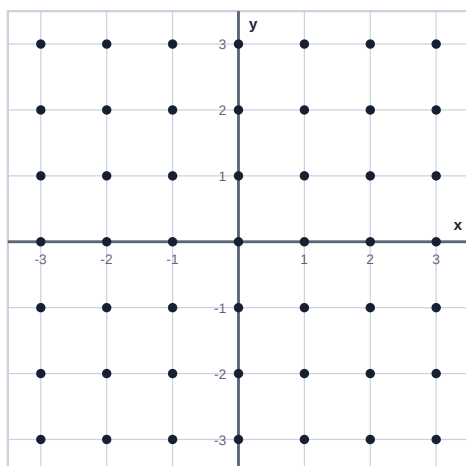
6.

$$\frac{dy}{dx} = -1 \cdot y^2 + 1$$



7.

$$\frac{dy}{dx} = x$$



8.

$$\frac{dy}{dx} = -1 \cdot x^2 - 1 \cdot x$$

