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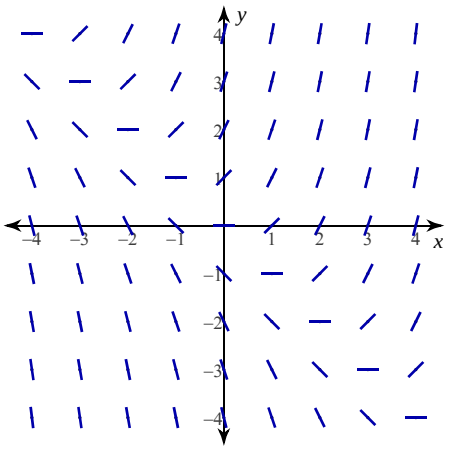
Calculus Practice: Slope Fields 2b

For each problem, find a differential equation that could be represented with the given slope field.

1)



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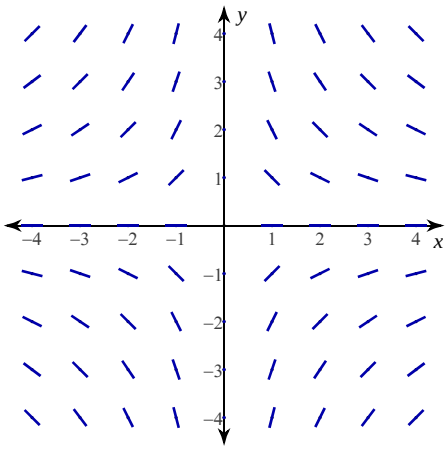

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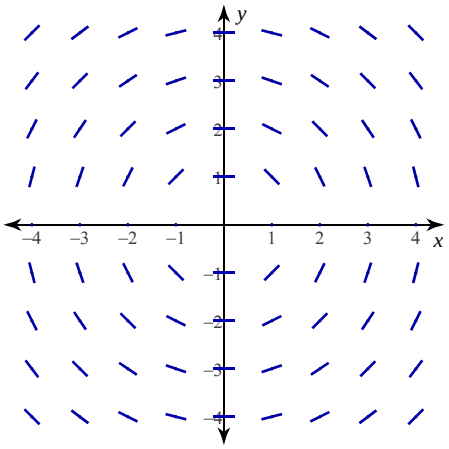

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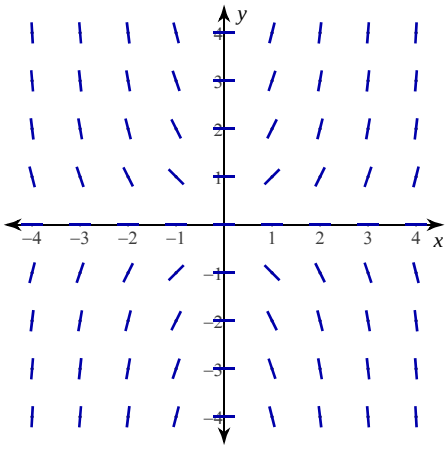

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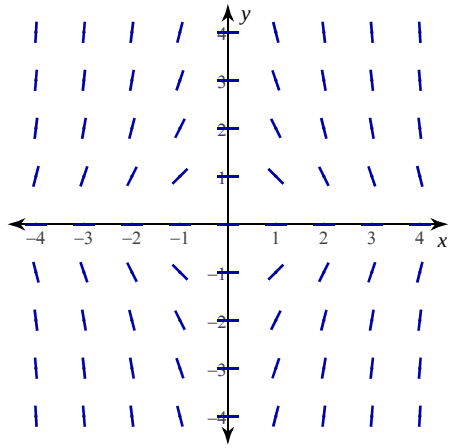

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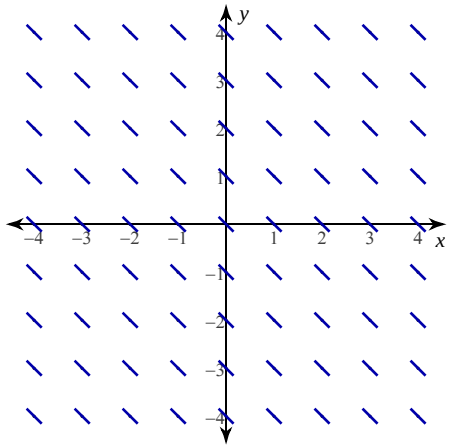

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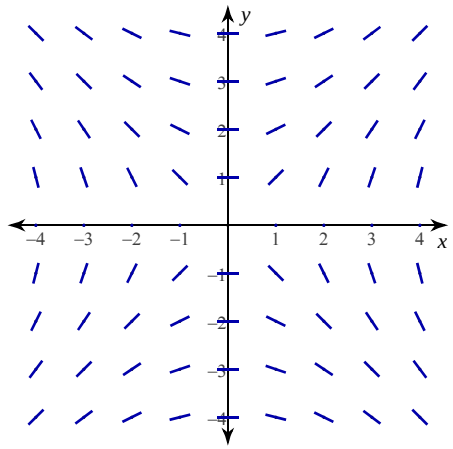

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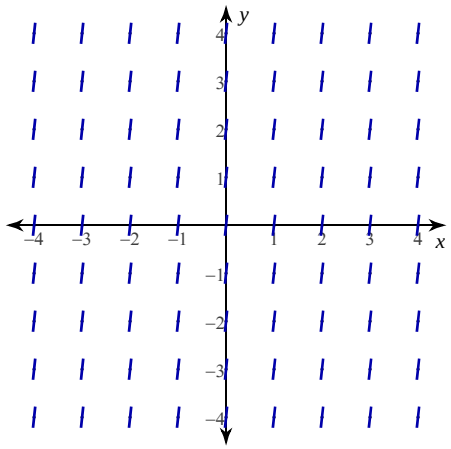

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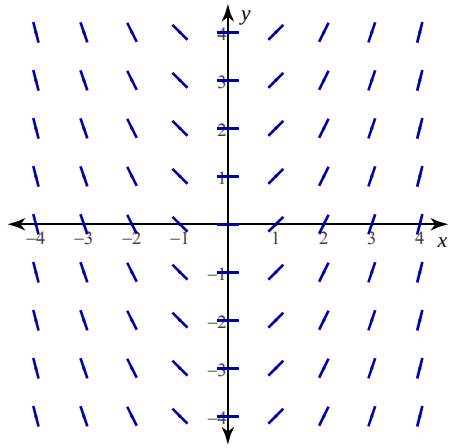

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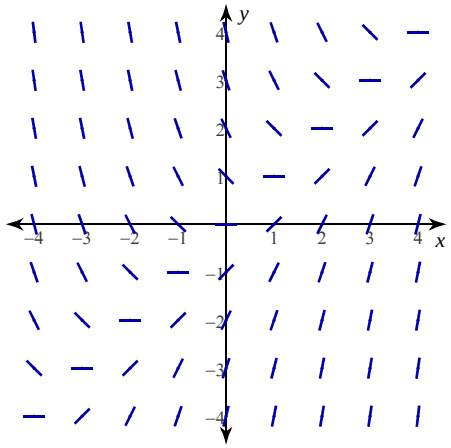

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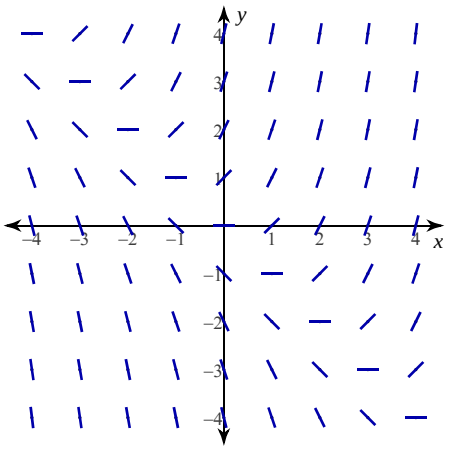
Calculus Practice: Slope Fields 2b

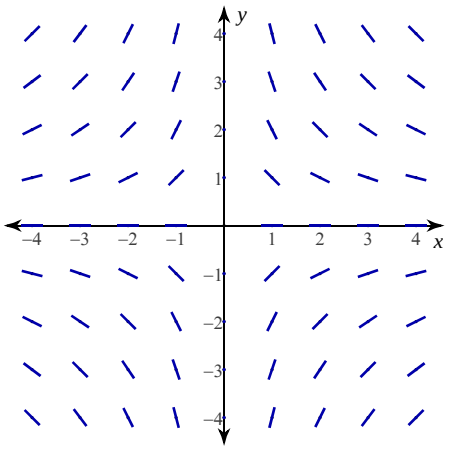
For each problem, find a differential equation that could be represented with the given slope field.

1)



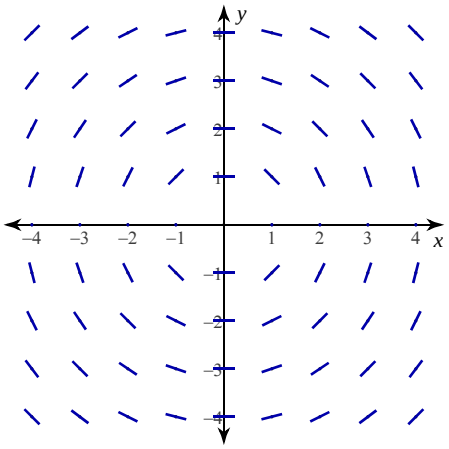
$\frac{dy}{dx} = x + y$

2)



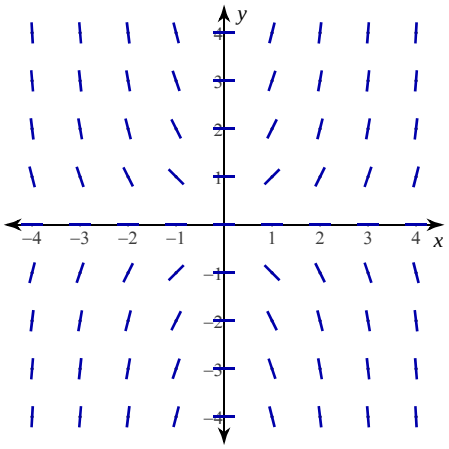
$\frac{dy}{dx} = -\frac{y}{x}$

3)



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

4)



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

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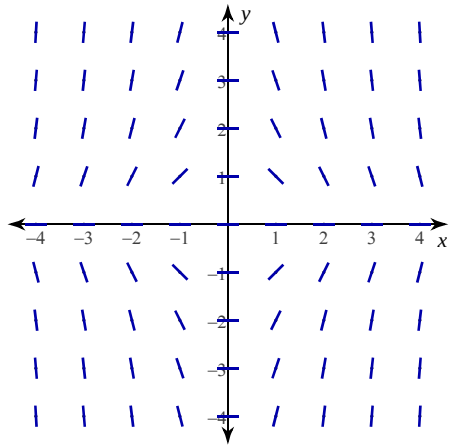
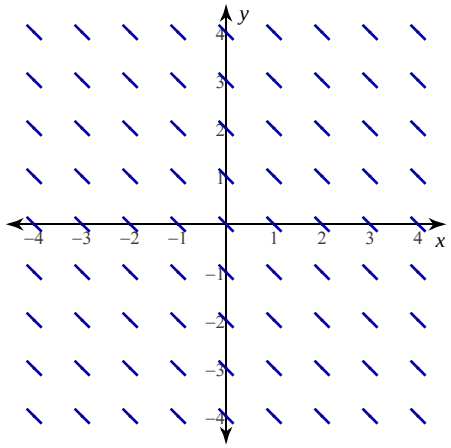
5)



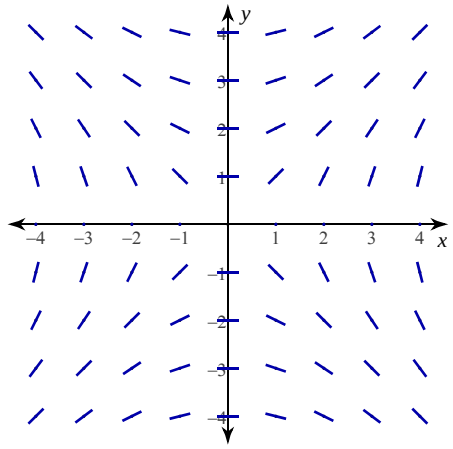
$\frac{dy}{dx} = -xy$

6)



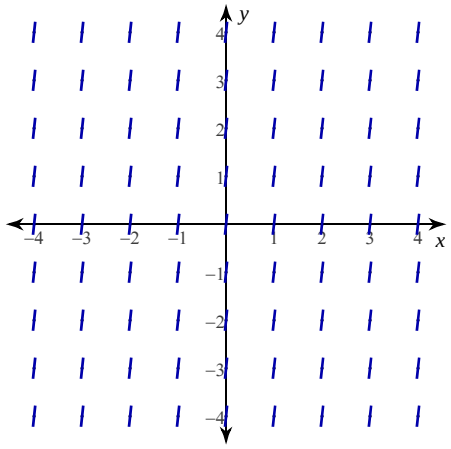
$\frac{dy}{dx} = -1$

7)



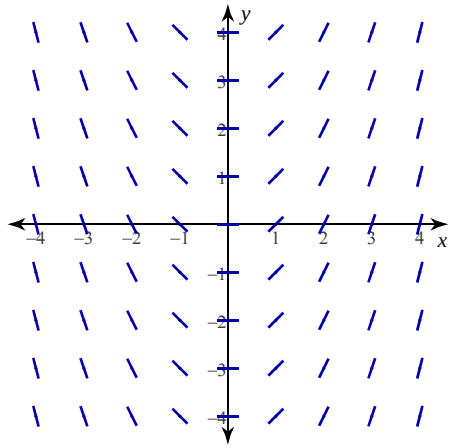
$\frac{dy}{dx} = \frac{x}{y}$

8)



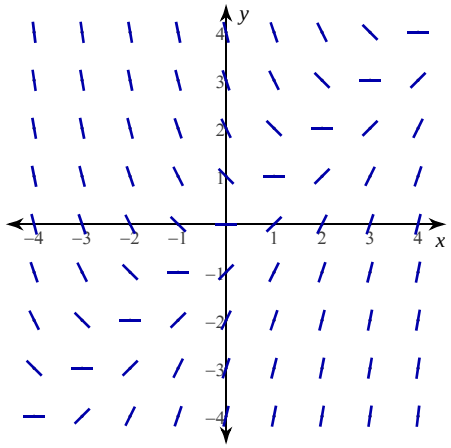
$\frac{dy}{dx} = 9$

9)



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

10)



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

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