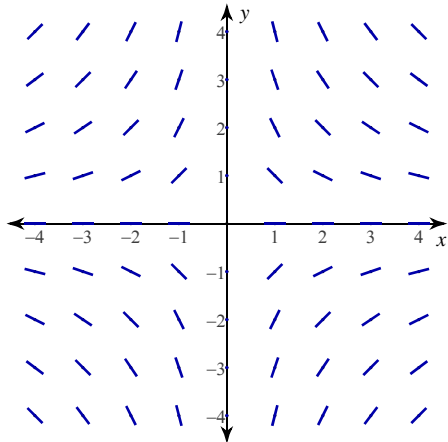


Calculus Practice: Slope Fields 2a

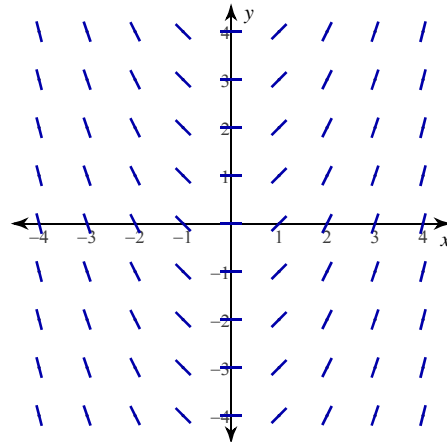
For each problem, find a differential equation that could be represented with the given slope field.

1)



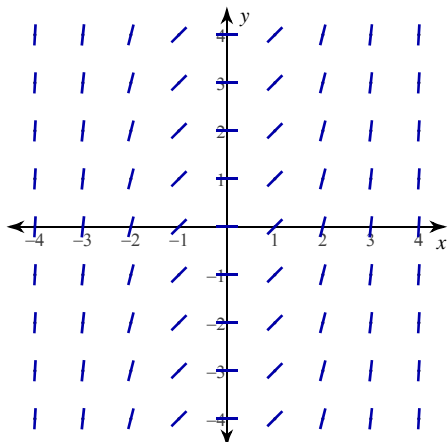
- A) $\frac{dy}{dx} = y - x$ B) $\frac{dy}{dx} = -\frac{y}{x}$
 C) $\frac{dy}{dx} = \frac{y}{x}$ D) $\frac{dy}{dx} = -1$

2)



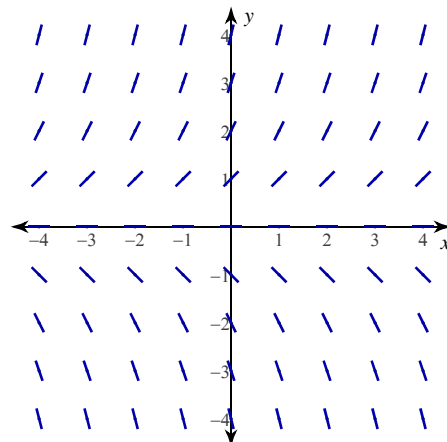
- A) $\frac{dy}{dx} = x - y$ B) $\frac{dy}{dx} = \frac{1}{y}$
 C) $\frac{dy}{dx} = -xy$ D) $\frac{dy}{dx} = x$

3)



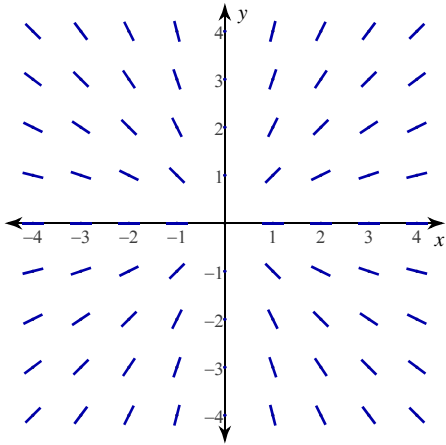
- A) $\frac{dy}{dx} = -y$ B) $\frac{dy}{dx} = -1$
 C) $\frac{dy}{dx} = x^2$ D) $\frac{dy}{dx} = y - x$

4)



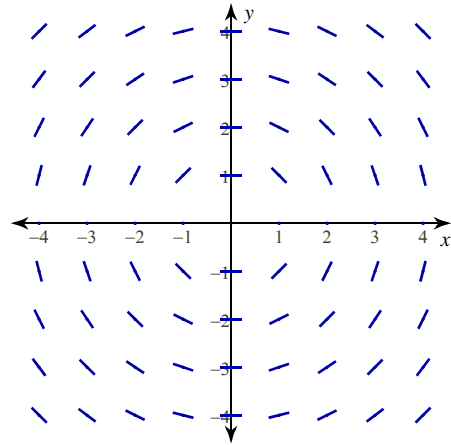
- A) $\frac{dy}{dx} = -\frac{1}{y}$ B) $\frac{dy}{dx} = -x$
 C) $\frac{dy}{dx} = \frac{y}{x}$ D) $\frac{dy}{dx} = y$

5)



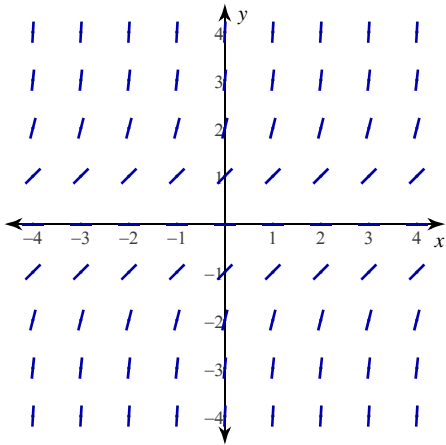
- A) $\frac{dy}{dx} = y - x$ B) $\frac{dy}{dx} = \frac{x}{y}$
 C) $\frac{dy}{dx} = \frac{y}{x}$ D) $\frac{dy}{dx} = \frac{1}{x}$

6)



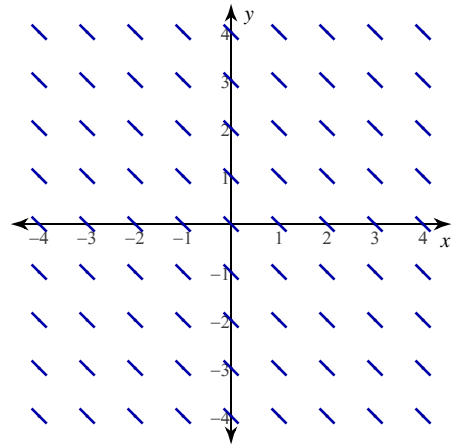
- A) $\frac{dy}{dx} = -\frac{1}{y}$ B) $\frac{dy}{dx} = -\frac{x}{y}$
 C) $\frac{dy}{dx} = x^2$ D) $\frac{dy}{dx} = x + y$

7)



- A) $\frac{dy}{dx} = \frac{1}{x}$ B) $\frac{dy}{dx} = -1$
 C) $\frac{dy}{dx} = \frac{1}{y}$ D) $\frac{dy}{dx} = y^2$

8)

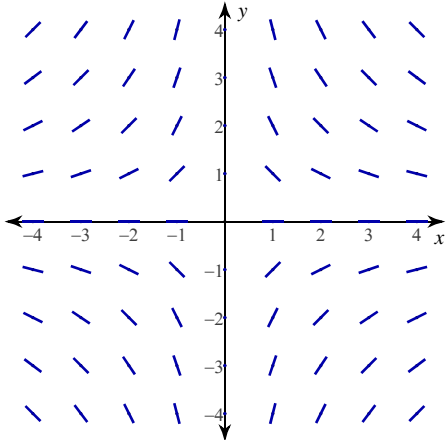


- A) $\frac{dy}{dx} = x - y$ B) $\frac{dy}{dx} = y$
 C) $\frac{dy}{dx} = \frac{x}{y}$ D) $\frac{dy}{dx} = -1$

Calculus Practice: Slope Fields 2a

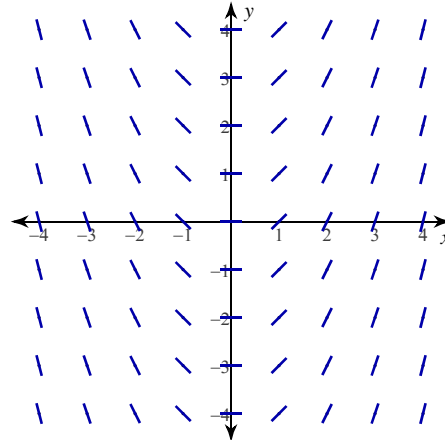
For each problem, find a differential equation that could be represented with the given slope field.

1)



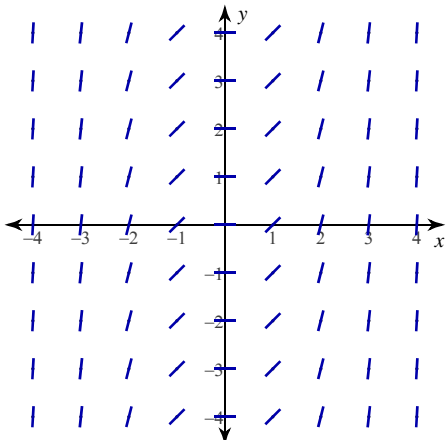
- A) $\frac{dy}{dx} = y - x$ *B) $\frac{dy}{dx} = -\frac{y}{x}$
 C) $\frac{dy}{dx} = \frac{y}{x}$ D) $\frac{dy}{dx} = -1$

2)



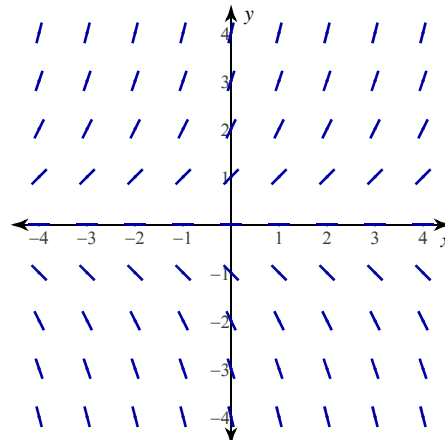
- A) $\frac{dy}{dx} = x - y$ B) $\frac{dy}{dx} = \frac{1}{y}$
 C) $\frac{dy}{dx} = -xy$ *D) $\frac{dy}{dx} = x$

3)



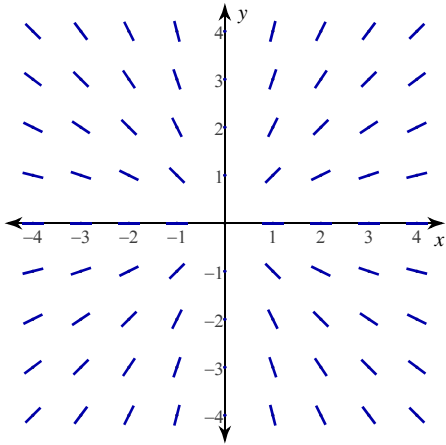
- A) $\frac{dy}{dx} = -y$ B) $\frac{dy}{dx} = -1$
 *C) $\frac{dy}{dx} = x^2$ D) $\frac{dy}{dx} = y - x$

4)



- A) $\frac{dy}{dx} = -\frac{1}{y}$ B) $\frac{dy}{dx} = -x$
 C) $\frac{dy}{dx} = \frac{y}{x}$ *D) $\frac{dy}{dx} = y$

5)



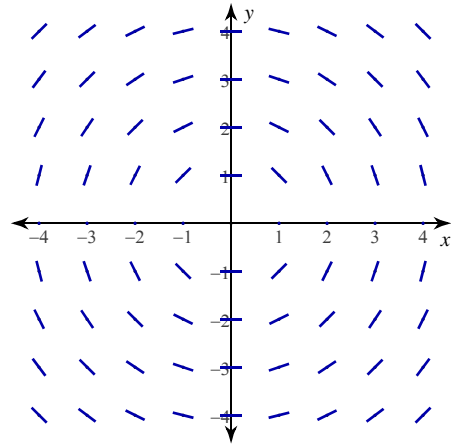
A) $\frac{dy}{dx} = y - x$

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

*C) $\frac{dy}{dx} = \frac{y}{x}$

D) $\frac{dy}{dx} = \frac{1}{x}$

6)



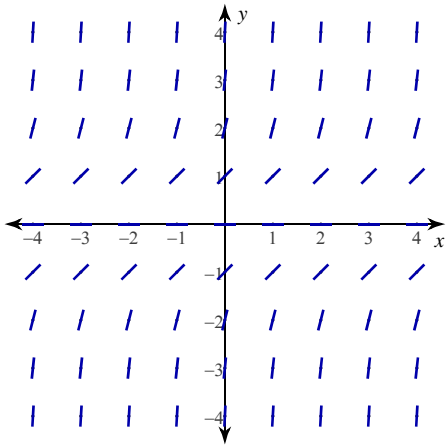
A) $\frac{dy}{dx} = -\frac{1}{y}$

*B) $\frac{dy}{dx} = -\frac{x}{y}$

C) $\frac{dy}{dx} = x^2$

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

7)



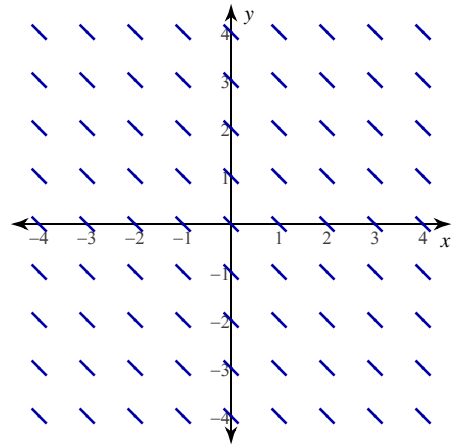
A) $\frac{dy}{dx} = \frac{1}{x}$

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

C) $\frac{dy}{dx} = \frac{1}{y}$

*D) $\frac{dy}{dx} = y^2$

8)



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

B) $\frac{dy}{dx} = y$

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

*D) $\frac{dy}{dx} = -1$