

### Slope Fields

Graph each slope field on the grid provided. Label your axis if you a marking by something other than one.

1.  $\frac{dy}{dx} = 2x$

2.  $\frac{dy}{dx} = 3$

3.  $\frac{dy}{dx} = x + 1$

4.  $\frac{dy}{dx} = x^2$

5.  $\frac{dy}{dx} = -x^2$

6.  $\frac{dy}{dx} = \frac{1}{x}$

7.  $\frac{dy}{dx} = -2x - 1$

8.  $\frac{dy}{dx} = 3 - x$

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

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

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

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

13.  $\frac{dy}{dx} = \cos x$

14.  $\frac{dy}{dx} = y$

15.  $\frac{dy}{dx} = \sin x$

16.  $\frac{dy}{dx} = 2 + y$

17.  $\frac{dy}{dx} = 1 + x^2$

18.  $\frac{dy}{dx} = \frac{x + y}{x - y}$