## Write Equations in Slope-Intercept Form From Graphs

You can write the equation of a linear function in slope-intercept form, where $m$ is the slope and $b$ is the $y$-intercept:

$$
\boldsymbol{y}=m \boldsymbol{x}+b
$$

Find the slope and the $y$-intercept of each linear function below. Write the slope as a proper or improper fraction in simplest form or an integer. Then write the equation in slope-intercept form.


## Write Equations in Slope-Intercept Form From Graphs

 Keep going! Find the slope and the $y$-intercept of each linear function below. Write the slope as a proper or improper fraction in simplest form or an integer. Then write the equation in slope-intercept form.5. 

 slope: $\qquad$ $y$-intercept:_1 equation: $\quad y=\frac{1}{5} x+1$
7.

$\qquad$
6.
 slope:
equation

$$
y=-\frac{2}{3} x-6
$$

8. 

 equation: $\quad y=-\frac{1}{4} x-5$

