## SKILL PRACTICE

EXAMPLE 1
on p. 283
for Exs. 3-9, 16

## EXAMPLE 2

on p. 283
for Exs. 10-15, 17

1. VOCABULARY Copy and complete: The ratio of the rise to the run between any two points on a nonvertical line is called the?
2. WRITING Explain how you can use slope-intercept form to write an equation of a line given its slope and $y$-intercept.

WRITING EQUATIONS Write an equation of the line with the given slope and $y$-intercept.
3. slope: 2
$y$-intercept: 9
6. slope: -7
$y$-intercept: 1
4. slope: 1
$y$-intercept: 5
7. slope: $\frac{2}{3}$
$y$-intercept: -9
5. slope: -3 $y$-intercept: 0
8. slope: $\frac{3}{4}$ $y$-intercept: -6
9. TAKS REASONING Which equation represents the line with a slope of -1 and a $y$-intercept of 2 ?
(A) $y=-x+2$
(B) $y=2 x-1$
(C) $y=x-2$
(D) $y=2 x+1$

## WRITING EQUATIONS Write an equation of the line shown.

10. 


11.

13.

14.

16. ERROR ANALYSIS Describe and correct the error in writing an
equation of the line with a slope of 2 and a $y$-intercept of 7 .
16. ERROR ANALYSIS Describe and correct the error in writing an
equation of the line with a slope of 2 and a $y$-intercept of 7 .
17. ERROR ANALYSIS Describe and correct the error in writing an equation of the line shown.

$$
\begin{aligned}
& \text { slope }=\frac{0-4}{0-5}=\frac{-4}{-5}=\frac{4}{5} \\
& y=\frac{4}{5} x+4
\end{aligned}
$$

12. 


15.


$$
y=7 x+2>
$$

