## 3-7 Solve It!



## 3-7 Lesson Quiz

1. What is the slope of the line below?
2. Write the equation of the line shown in Exercise 1. Express your answer in point-slope form.
3. What is an equation of the line with slope -3 and $y$-intercept 6 ? Express your answer in slope-intercept form.

4. What are the equations for the horizontal and vertical lines through $(-2,0)$ ?
5. Do you UNDERSTAND? Which has a greater slope, a horizontal line or a vertical line?

## Answers

## Solve It!

The slopes of A, B, and $C$ are $\frac{119}{330}, \frac{59}{150}$, and $\frac{23}{70}$. $\frac{23}{70}<\frac{119}{330}<\frac{59}{150}$, so C is easiest, A is intermediate, and $B$ is difficult.

## Lesson Quiz

1. 2.5 or $\frac{5}{2}$
2. $y-3=2.5(x-2)$
3. $y=-3 x+6$
4. horizontal $y=0$, vertical $x=-2$
5. A vertical line has no defined slope, so the comparison cannot be made.
