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 = -3x + 6**4.** horizontal y = 0, vertical x = -2 **5.** A vertical line has no defined slope, so the comparison cannot be made.

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