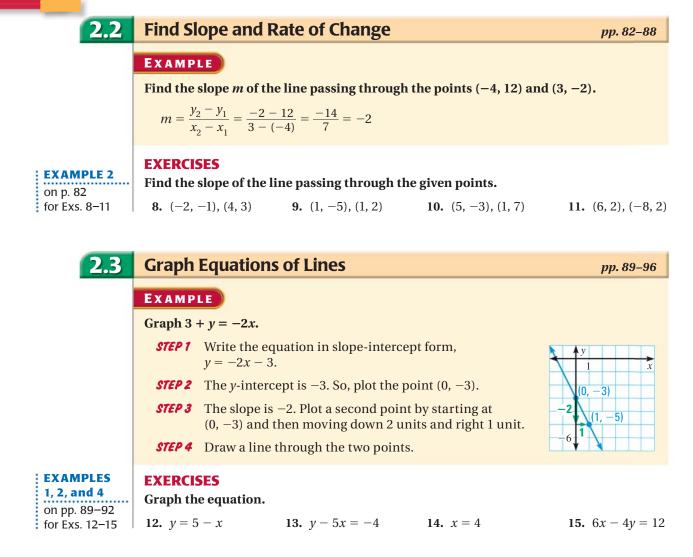
CHAPTER REVIEW



2.4. Write Equations of Lines pp. 98–104 **EXAMPLE** Write an equation of the line that passes through (-2, 5) and (-4, -1). The slope is $m = \frac{-1-5}{-4-(-2)} = 3$. Use the point-slope form with $(x_1, y_1) = (-2, 5)$.

 $y - y_1 = m(x - x_1)$ y - 5 = 3(x - (-2)) y = 3x + 11Use point-slope form. Substitute for *m*, *x*₁, and *y*₁. Write in slope-intercept form.

EXERCISES

EXAMPLE 4

on p. 100

Write an equation of the line that passes through the given points.

for Exs. 16–18 **16.** (-3, 4), (2, -6) **17.** (-4, 5), (12, -7) **18.** (-4, 1), (3, -6)