**Practice**

***Solving Linear Equations by Graphing***

**Distance from Bus**

**Station (miles)**

300

250

200

150

100

50

0

**9.** $-\frac{1}{3}$*x* + 2 = $\frac{2}{3}$ *x* – 1

**6.** $\frac{3}{4}$*x* + 1 = $\frac{3}{4}$*x* – 7

**5.** $\frac{2}{3}$*x* + 4 = 3

**4.** $\frac{1}{3}$*x* + 2 = $\frac{1}{3}$*x* – 1

**1.** $\frac{1}{2}$*x* – 2 = 0

**10.** **DISTANCE** A bus is driving at 60 miles per hour toward a bus station that is 250 miles away. The function *d* = 250 – 60*t* represents the distance *d* from the bus station the bus is *t* hours after it has started driving. Find the zero of this function. Describe what this value means in this context.

**Lesson 3-2**

***x***

***O***

***y***

***x***

***O***

***y***

***x***

***O***

***y***

***x***

***O***

***y***

***x***

***O***

***y***

***x***

***O***

***y***

***x***

***O***

***y***

***x***

***O***

***y***

***x***

***O***

***y***

*Glencoe Algebra 1*

Chapter 3

**15**

1 2 3 4 5 6

**Time (hours)**

**8.** –9*x* – 3 = –4*x* – 3

**7.** 13*x* + 2 = 11*x* – 1

**Solve each equation by graphing. Verify your answer algebraically**

**3.** 4*x* – 2 = –2

**2.** –3*x* + 2 = –1

**Solve each equation.**

**3-2**

NAME DATE PERIOD



