**2-6 & 2-8 Practice Lesson Quiz**

**1.** Determine the number of real solutions of the system 

**A** 2

**B** 1

**C** 3

**D** 0

**2.** Use substitution to solve the system 

**A** −4 and 2

**B** (4, −8) and (−2, −2)

**C** (−4, −8) and (2, −2)

**D** (0, 0) and (0, −4)

**3**. Describe the nature of the roots for the equation 49*x*2 − 28*x* + 4 = 0.

**A** two real roots

**B** one real root

**C** two complex roots

**D** one complex root

**4.** Solve *x*2 + 8*x* − 6 = 0 using the Quadratic Formula.

**A** *x* = 32 +  and *x* = 32 − 

**B** *x* = −4 +  and *x* = −4 − 

**C** *x* = 12 and *x* = −

**D** *x* = 4 +  and *x* = 4 − 

(CONTINUE ON BACK)

**5.** Nate tosses a ball up a hill for his dog to chase. The path of the ball is modeled  
by the function *y* = − + , where *x* is the ball’s horizontal distance from  
Nate in feet and *y* is the ball’s height in feet. The hill is modeled by the line  
*y* =  How far does the ball travel horizontally before it hits the ground?