**Practice 7-2 B** Name\_\_\_\_\_\_\_\_\_\_\_\_\_

**Solve each system using substitution. Write *no solution* or *infinitely many solutions* where appropriate.**

**1.** 5*x –* 3*y = –*4 **2.** y **= +**4 **3.** 2*x* + 3*y =* 8

*x* + *y = –*4 2*x +* 3*y = –*6 **=** 4 *–**x*

**4.** 3*x –* *y =* 4 **5.** *x* + *y =* 0 **6.** 5*x* + 2*y* = 6

2*x + y* = 16 *x = y +* 4 y**=+**1

**7.** 2*x* + 5*y* = *–*6 **8.** 4*x +* 3*y = –*3**9.** *y* ***=*+**1

4*x* + *y = –*12 2*x* + *y = –*14*x + 6y =* 6

10. At an ice cream parlor, ice cream cones cost $1.10 and sundaes cost $2.35. One

day, the receipts for a total of 172 cones and sundaes were $294.20. How many

cones were sold?

11. You purchase 8 gal of paint and 3 brushes for $152.50. The next day, you purchase 6 gal of

paint and 2 brushes for $113.00. How much does each gallon of paint and each brush cost?

**Practice 7-2 B** Name\_\_\_\_\_\_\_\_\_\_\_\_\_

**Solve each system using substitution. Write *no solution* or *infinitely many solutions* where appropriate.**

**1.** 5*x –* 3*y = –*4 **2.** y **= +**4 **3.** 2*x* + 3*y =* 8

*x* + *y = –*4 2*x +* 3*y = –*6 **=** 4 *–**x*

**4.** 3*x –* *y =* 4 **5.** *x* + *y =* 0 **6.** 5*x* + 2*y* = 6

2*x + y* = 16 *x = y +* 4 y**=+**1

**7.** 2*x* + 5*y* = *–*6 **8.** 4*x +* 3*y = –*3**9.** *y* ***=*+**1

4*x* + *y = –*12 2*x* + *y = –*14*x + 6y =* 6

10. At an ice cream parlor, ice cream cones cost $1.10 and sundaes cost $2.35. One

day, the receipts for a total of 172 cones and sundaes were $294.20. How many

cones were sold?

11. You purchase 8 gal of paint and 3 brushes for $152.50. The next day, you purchase 6 gal of

paint and 2 brushes for $113.00. How much does each gallon of paint and each brush cost?