

Practice 7-2 B

Name _____

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

1. $5x - 3y = -4$
 $x + y = -4$

2. $y = -\frac{2}{3}x + 4$
 $2x + 3y = -6$

3. $2x + 3y = 8$
 $\frac{3}{2}y = 4 - x$

4. $3x - y = 4$
 $2x + y = 16$

5. $x + y = 0$
 $x = y + 4$

6. $5x + 2y = 6$
 $y = -\frac{5}{2}x + 1$

7. $2x + 5y = -6$
 $4x + y = -12$

8. $4x + 3y = -3$
 $2x + y = -1$

9. $y = -\frac{2}{3}x + 1$
 $4x + 6y = 6$

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?
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