

5.2 Practice A

In Exercises 1–3, tell which equation you would choose to solve for one of the variables. Explain.

1. $5x + y = 2$
 $3x + y = 7$

2. $2x - 3y = 6$
 $x + 7y = 2$

3. $4x - y = -3$
 $3x + 3y = 7$

In Exercises 4–9, solve the system of linear equations by substitution. Check your solution.

4. $y = 10 - 2x$
 $x = y - 4$

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

6. $y = 11 + 4x$
 $3x + 2y = 0$

7. $5y = 10$
 $x - 3y = 4$

8. $x + y = -2$
 $2x - y = 14$

9. $-x + y = 2$
 $3x - 5y = -4$