1. **Reasoning** Which of the following systems would be most efficiently solved using the elimination method?

   System A $2x + 2y = 6$ System B $y = 2 - 3x$
              $-6x - 2y = 6$ $4x - 2y = -2$

2. Explain how you would solve the following system using the elimination method.

$$2x - 5y = -6$$
$$2x - 7y = 14$$

Solve each system of equations by elimination. Check your solution.

3. $x + y = 12$ 4. $3x + 4y = 9$ 5. $-x + y = 4$
   $x - y = 2$ $-3x - 2y = -3$ $-2x + y = 2$

6. $6x + 2y = 10$ 7. $4x - 2y = 7$ 8. $5x - 6y = 1$
   $-2x + 2y = 2$ $3x + 6y = 9$ $2x + 2y = 18$