Solving Systems of Equations by the Simple Elimination Method

Solve each of the following by the Elimination Method.

1.   x + 2y = 2
       4x – 2y = 38

2.   3x – y = 16
       2x - y = 12

3.   14x + 2y = -4
       -7x – 3y = -8

4.   x + 6y = -1
       x - 6y = -13

5.   x – y = 12
       5x + y = 0

6.   5x + y = 23
       -4x – 2y = -28

7. $7x + 2y = 18$
      $-9x - 6y = -6$

8. $5x - 3y = 32$
      $2x - 3y = 11$

9. $4x - 3y = -26$
      $2x + 6y = 2$

10. $4x - 6y = -34$
      $2x + y = 3$