Substitution and Elimination Worksheet

Solve each system by substitution.

1. $4x - 2y = -22$
   $x + 8y = -14$

2. $-5x - 2y = 13$
   $-4x + y = 0$

3. $5x + y = 18$
   $-2x - 7y = 6$

4. $x + y = -4$
   $2x + 4y = -12$

Solve each system by elimination

5. $-3x + 3y = -30$
   $-8x - 3y = 8$

6. $-7x + 8y = -19$
   $7x - 10y = 29$

7. $7x + 4y = -17$
   $-4x + 12y = 24$

8. $16x + 9y = -1$
   $-8x - y = 25$