Systems of Equations

Solve the following using **Substitution.** You must show work.

1. Y= -5
   5x + 4y = -20

2. 4x + 2y = 10
   x - y = 13

3. Y= 4x – 9
   Y = x – 3

   Solve using **Elimination**. Show work

4. 8x – 6y = -20
   -16x + 7y = 30

5. -11x – 4y = 36
   -10x -10y = 20

6. 6x – 12y = 24
   -x - 6y = 4

   Solve using **either method**. Show work

7. 6x – 2y = -6
   7x + 4y = 8

8. $-6x - 9y = 0$
   $-24x = 36y$

9. $X + 8y = -15$
   $7x + 8y = -9$

10. $-9x - 3y = -2$
    $Y = -3x - 4$