DIRECTIONS: Solve these systems of equations using the substitution method or linear combination (dropout) method. You can use different methods on different problems.

1. $\begin{cases} x + 3y = 5 \\ 2x - 3y = 1 \end{cases}$
$(2, 1)$

2. $\begin{cases} 2x + y = 6 \\ 3x + 5y = 9 \end{cases}$
$(3, 0)$

3. $\begin{cases} 3x - 7y = 10 \\ x - 4y = 5 \end{cases}$
$(1, -1)$

4. $\begin{cases} 3x + y = 6 \\ 2x - 4y = 10 \end{cases}$
$\left(\frac{17}{7}, -\frac{9}{7}\right)$

5. $\begin{cases} 4x + 6y = 8 \\ 3x + y = 9 \end{cases}$
$\left(\frac{23}{7}, -\frac{6}{7}\right)$

6. $\begin{cases} x - 7y = 12 \\ 2x + 8y = 14 \end{cases}$
$\left(\frac{97}{11}, -\frac{5}{11}\right)$

7. $\begin{cases} x - 3y = 18 \\ -x + 3y = 12 \end{cases}$
No solution

8. $\begin{cases} 2x + 5y = 1 \\ x + \frac{5}{2}y = \frac{1}{2} \end{cases}$
Infinitely many solutions

9. $\begin{cases} -3x + 4y = 1 \\ x = 2y + 1 \end{cases}$
$(-3, -2)$

10. $\begin{cases} 5x - 2y = 6 \\ -10x + 4y = -12 \end{cases}$
Infinitely many solutions

11. $\begin{cases} -2x + y = 8 \\ -6x + 3y = 12 \end{cases}$
No solution

12. $\begin{cases} 5x - 2y = -20 \\ 6x + y = -7 \end{cases}$
$(-2, 5)$

13. $\begin{cases} x - y - 12 = 0 \\ 2x + 1 = -3y \end{cases}$
$(7, -5)$