PART A: Determine whether each system of equations has *no solution, one solution,* or *infinitely many solutions*. Place an *x* in the correct box for each system of equations. (*3 points*)

System of Equations	$\begin{cases} y = 5x + 12\\ y = 5x + 18 \end{cases}$	$\begin{cases} y = 5x - 10\\ y = 10 + x \end{cases}$	$\begin{cases} y = -5x + 6\\ y = 6 - 5x \end{cases}$
No Solution			
One Solution			
Infinitely Many Solutions			

PART B: Determine whether each system of equations has *no solution, one solution,* or *infinitely many solutions*. Place an *x* in the correct box for each system of equations. (6 points)

System of Equations	$\begin{cases} 2x + y = 5\\ y = 5 - 2x \end{cases}$	$\begin{cases} y = -5x + 4\\ 15x + 3y = 12 \end{cases}$	$\begin{cases} y+8 = 5x\\ 10x + 16 = 2y \end{cases}$
No Solution			
One Solution			
Infinitely Many Solutions			

PART C: Determine whether each system of equations has *no solution, one solution,* or *infinitely many solutions*. Place an *x* in the correct box for each system of equations. (6 points)

System of Equations	$\begin{cases} y = 5(x - 4) \\ 4x + 12 = -y \end{cases}$	$\begin{cases} y = -x \\ 3x = -3y \end{cases}$	$\begin{cases} y = -3\\ -3(x+9) = y \end{cases}$
No Solution			
One Solution			
Infinitely Many Solutions			