1. Solve the system of equations using substitution: y = x - 7 4x + 5y = 10	2. Now, graph the system of equations from #1 to solve graphically:
	5
How many solutions are there?	10
3. Solve the system of equations using substitution:	4. Now, graph the system of equations from #3 to
6x + 3y = 9	solve graphically:
y-3 = -2x	
	-10
How many solutions are there?	C Now graph the system of equations from #E to
5. Solve the following system of equations using substitution.	6. Now, graph the system of equations from #5 to solve graphically.
x - 5y = 0	10
-3x + 15y = -60	
5x + 15y 00	
	-10 -5 5 10
How many solutions are there?	-101

7. Solve the system of equations using substitution:	8. Solve the system of equations using substitution:
2x + y = 3	3x - 2 = -y
x - 4 = y + 2	-6x + 2 = 2y - 2
9. A system of two linear equations includes equations that have the same slope, but different y-intercepts. How many solutions does this system have?	10. If a system of two linear equations has an infinite number of solutions, then what must be true about the two equations?
	a. The equations are the same line
a. No Solution	 b. The equations ONLY have the same slope (nothing else is in common)
b. One Solution	c. There is nothing in common between the two
c. Infinite Solutions	equations.
d. None of the Above	d. None of the Above
11. Find and correct the student's mistake. Describe w $3x + y = q$ \leftarrow Equation 1 -2x + y = 4 Equation 2 Solution $3x + y = q$ $3x + (-3x + q) = q$ \leftarrow Substitute. y = -3x + q $3x - 3x + q = qq = q$	what they did wrong and find the correct solution.
12. Solve the equation for x: wx + y = z	

