Name _____ Date _____ Class _____

Directions: Match the system of equations in column 1 with the modified equation in column 2 that can be used to solve the system of equations by substitution. Within each system of equations in column 1, isolate one of the variables and find it's match in column 2. Draw a line between the system and the equation used to substitute. Your teacher must sign off on this page before you continue to page 2.

Summary: Explain how you decided which equation to solve for.

COLUMN 1	COLUMN 2
$2x + y = 11$ $x - y = 2$	$x = -2y + 6$
$4x - y = 7$ $5x - 8y = 2$	$x = -6y + 5$
$2x + 2y = 4$ $3x - 3y = 18$	$y = -2x + 1$
$2x + y = 1$ $10x - 4y = 2$	$y = 4x - 7$
$-3x - y = -13$ $x + 2y = 6$	$x = y + 2$
$2x - 6y = 4$ $X + 6y = 5$	$x = -y + 2$

PLUG IT IN PLUG IT IN ANSWER KEY

Directions: Match the system of equations in column 1 with the modified equation in column 2 that can be used to solve the system of equations by substitution. Within each system of equations in column 1, isolate one of the variables and find it's match in column 2. Draw a line between the system and the equation used to substitute. Your teacher must sign off on this page before you continue to page 2.

COLUMN 1	COLUMN 2 SOLUTIONS
$2x + y = 11$ $x - y = 2$	
$4x - y = 7$ $5x - 8y = 2$	
$2x + 2y = 4$ $3x - 3y = 18$	
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COLUMN 1	COLUMN 2 SOLUTIONS
$2x + y = 11$ $x - y = 2$	$(4\frac{1}{3}, 2\frac{1}{3})$
$4x - y = 7$ $5x - 8y = 2$	$(2, 1)$
$2x + 2y = 4$ $3x - 3y = 18$	$(4, -2)$
$2x + y = 1$ $10x - 4y = 2$	$(\frac{1}{3}, \frac{1}{3})$
$-3x - y = -13$ $X + 2y = 6$	$(4, 1)$
$2x - 6y = 4$ $X + 6y = 5$	$(3, \frac{1}{3})$