Name/Date_____

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

WS 9B.2 – More Solving Systems of Equations by Substitution

#1-7. Solve each system of equations by the substitution method. 1. $\begin{cases} x = y - 4 \\ 2x - y = 6 \end{cases}$ 2. $\begin{cases} 2x + 2y = -6 \\ 5x + 5y = 10 \end{cases}$ 3. $\begin{cases} 2x + 7y = -3 \\ 3x + y = -14 \end{cases}$ 4. $\begin{cases} 20y - 5x = 15 \\ 2x - 3y = 4 \end{cases}$			
2. $\begin{cases} 2x + 2y = -6 \\ 5x + 5y = 10 \end{cases}$ 3. $\begin{cases} 2x + 7y = -3 \\ 3x + y = -14 \end{cases}$			
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2. $\begin{cases} 2x + 2y = -6 \\ 5x + 5y = 10 \end{cases}$ 3. $\begin{cases} 2x + 7y = -3 \\ 3x + y = -14 \end{cases}$		(2x-y=6)	
3. $\begin{cases} 2x + 7y = -3\\ 3x + y = -14 \end{cases}$			
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3. $\begin{cases} 2x + 7y = -3\\ 3x + y = -14 \end{cases}$	2	$\int 2x + 2y = -6$	
3. $\begin{cases} 2x + 7y = -3 \\ 3x + y = -14 \end{cases}$	2.	l 5x + 5y = 10	
	2	$\int 2x + 7y = -3$	
	5.	$\int 3x + y = -14$	
$4. \begin{cases} 20y - 5x = 15\\ 2x - 3y = 4 \end{cases}$			
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2x-3y=4	4	$\int 20y - 5x = 15$	
	4.	2x - 3y = 4	

5.
$$\begin{cases} -9x - 3y = -12 \\ -6x - 2y = -8 \end{cases}$$

 6.
$$\begin{cases} 30x = -10y \\ 3x - 2y = -15 \end{cases}$$

 7.
$$\begin{cases} y = -3x - 17 \\ y = 5x - 25 \end{cases}$$

 8. Two cans of paint and one brush cost \$29. Three cans of the same paint and two brushes cost \$46. Find the cost of one can of paint and the cost of one brush.