	Name:	
Guide		

1A. Simplify the polynomial expression.	1B. Simplify the polynomial expression.	1C. Simplify the polynomial expression.
$(-8x^2 - 6x + 1) - (5x^3 - 10x^2 + 3x - 2)$	$(7x^3 + 5x^2 - 6) - (-2x^3 + 6x^2 - 7x + 9)$	$(-9x^3 - 8x^2 + 4x + 5) - (4x^3 - x^2 - 3)$
2A. Multiply and combine like terms.	2B. Multiply and combine like terms.	2C. Multiply and combine like terms.
$(x + 1)(3x^2 - 8x + 2)$	$(x - 8)(-6x^2 - 3x + 7)$	$(x + 6)(4x^2 - 2x - 1)$
3A. Simplify.	3B. Simplify.	3C. Simplify.
$\frac{9x^3 - 36x^2 + 81x}{-9x}$	$\frac{-15x^4 + 15x^3 - 21x^2}{3x^2}$	$ \frac{-24x^3 + 40x^2 + 16x}{8x} $
4A. Factor completely. $64x^2 - 25$	4B. Factor completely. $36x^2 - 1$	4C. Factor completely. $9x^2 - 16$
5A. Which solution is equivalent to	5B. Which solution is equivalent to	5C. Which solution is equivalent to
$x^5 = 36?$	$x^7 = 25?$	$x^3 = 8$?
a. $x = 36^{\frac{1}{5}}$ b. $x = 6^{\frac{5}{2}}$ c. $x = 36^{5}$	a. $x = 25^7$ b. $x = 25^{\frac{7}{2}}$ c. $x = 25^{\frac{1}{7}}$	a. $x = 2^3$ b. $x = 8^3$ c. $x = 8^{\frac{3}{2}}$
$d_1 x = 36^{\frac{5}{2}}$ e None of these solutions	d. $x = 5^{\frac{7}{2}}$ e. None of these solutions	d. $x = 2^{\frac{1}{2}}$ e. None of these solutions
6A. Solve the system of equations using	6B. Solve the system of equations using	6C. Solve the system of equations using
substitution or elimination.	substitution or elimination.	substitution or elimination.
$\begin{cases} 3y = 7x - 13 \\ y = -7x + 33 \end{cases}$	$\begin{cases} y = 3x - 20\\ (4y = -3x + 40) \end{cases}$	$\begin{cases} -2y = x - 5\\ 2y = -5x + 9 \end{cases}$
system of equations.	system of equations.	system of equations.

