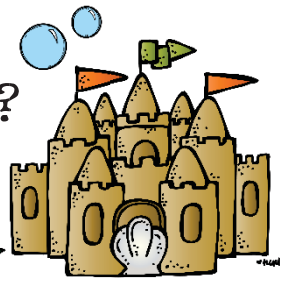
Name _____ Date _____

SYSTEMS of EQUATIONS: Substitution Method

What does the Little Mermaid wear?



___	___		___	___	___	___	___	___	___
18	10		1	12	8	5	9	3	11	17

❶ $y = 7x + 7$
$-10x + 2y = 18$

❷ $x = y - 5$
$-3x + 10y = -20$

❸ $y = -27x + 98$
$92x - 8y = 140$

❹ $y = 10x - 5$
$y = 37x + 49$

❺ $x + 10y = -9$
$x = 5y + 21$

❻ $3x + 4y = -10$
$y = 8x - 20$

❼ $y = 3x + 11$
$6x - 2y = 3$

❽ $-6x - 14y = 0$
$y = 8x$

❾ $-3x + 5y = 11$
$x = y - 7$

❿ $9x - 6y = 33$
$y = 10x + 3$

⓫ $y = -2x - 21$
$y = 3x + 4$

⓬ $y = 2x - 13$
$5x - 3y = 29$

⓭ $-11x + 12y = -18$
$x = -4y + 22$

⓮ $9x - 6y = 33$
$y = 10x + 3$

⓯ $y = 2x + 16$
$6x - 3y = -48$

⓰ $x = -3y + 26$
$-4x + 3y = -14$

⓱ $2x + 2y = 16$
$x = 7y$

⓲ $8x - 2y = -6$
$y = -6x - 27$

D Infinite number of solutions	A (1, 14)	E (-12, -5)	T (-2, -25)	G (0, 0)	R (-5, -11)	L (10, 7)	O (8, 6)	A (-3, -9)
C No solution	Y (2, -4)	B (3, 17)	J (6, 4)	P (-10, -5)	M (-1, -7)	A (11, -2)	N (-1, -7)	A (7, 1)