

Algebra 1 SOL Review

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Section One: Expressions and Operations			
A.1 (a) Verbal Equations and Expressions			
1) Which expression represents the difference of nine and half a number?		2) Which verbal equation matches the equation below? $3x + 5 = 10$	
A) $9 - 2x$		A) The sum of a number and one, multiplied by three, is ten.	
B) $9 - \frac{1}{2}x$		B) Three times a number, increased by one, is ten.	
C) $\frac{1}{2}x - 9$		C) The quotient of three and a number, increased by one, is ten.	
D) $\frac{1}{2}(9 - x)$		D) The product of three and a number, decreased by one, is ten.	
A.1 (b) Evaluating Expressions			
3) Evaluate the expression, given that $a = 3$, $b = -1$, and $c = -2$.		4) Evaluate the expression, given that $x = 3$ and $y = -1$.	
$(3a - c)^2 + b$		$-3(xy + y^2)$	
A) 120	C) 120	A) 3	C) -9
B) -45	D) 10	B) -3	D) 9
A.2 (a) Laws of Exponents			
5) Which of the following is equivalent to $\frac{x^3y^4}{x^2y^3} \cdot 7$?		6) Which of the following is equivalent to $(3x^4y^{-1})(2x^2y^3z^5) \cdot 7$?	
A) $\frac{7x}{y}$	C) $\frac{7x}{y^2}$	A) $5x^6y^2$	C) $4x^6y^2$
B) x^2y^{-1}	D) x^2y^1	B) $4x^6y^{-1}z$	D) 1
A.2 (b) Operations with Polynomials			
7) Which of the following is equivalent to $(4x^2 + 2x - 7) - (2x^2 - 3x^2 + 4) \cdot 7$?		8) Which of the following is equivalent to $(2x - 3)(2x + 3) \cdot 7$?	
A) $2x^2 - x - 11$	C) $2x^2 - 3x^2 + 2x - 11$	A) $4x^2 - 5x - 6$	C) $4x^2 - 13x - 6$
B) $2x^2 + 5x - 9$	D) $2x^2 + 3x^2 + 2x - 9$	B) $5x^2 - 5x - 6$	D) $4x^2 - 6$

Algebra Sol Stimulation Review Sheet Answers

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A red circular graphic with a gradient, appearing as a partial circle or a stylized arrow pointing to the right, located to the right of the Carolina Biological Supply Company text.

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