Algebra 1 Worksheet: Algebraic Expressions and Equations

(P)	Part 1	Vocabulary	and Concepts	(Multiple	Choice)
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1.	What is a variable ?
	A. A fixed numberB. A letter that represents a numberC. A math symbolD. An operation
	Answer:
2.	Which of the following is an expression ?
	A. x=3x = 3x=3 B. 5x+25x + 25x+2 C. x>4x > 4x>4 D. 7=2x7 = 2x7=2x
	Answer:
3.	What does an equation always include?
	A. A plus sign B. A variable C. An equal sign D. A number

	Answer:
4.	In the expression 4x+34x + 34x+3, which number is the coefficient ?
	A. 3 B. x C. 4 D. 7
	Answer:
5.	What is a constant in an algebraic expression? A. A changing number B. A variable C. A letter D. A number that doesn't change
	Answer:
Pa	art 2: Fill in the Blank
6.	The part of the expression that includes a letter (like xxx) is called a
7.	An equation shows that two are equal.
8.	In the expression 2x+52x + 52x+5, the number 5 is called a
9.	In the equation $x+3=7x+3=7$, the solution is
10.	A letter like xxx or yyy that stands for a number is called a

Part 3: Yes / No Questions 11. Does the expression 6x+26x + 26x+2 contain an equal sign? Answer: __Yes____No___ 12. Can an equation be used to solve a math problem? Answer: __Yes____No___ 13. Is 7 a variable? Answer: __Yes____No___ 14. Is the equal sign used in expressions? Answer: __Yes____No____

15. Are all equations also expressions?

Answer: __Yes____No____

16. Match each term to its definition: • Variable \rightarrow ____ Coefficient → ____ Constant → ____ A. A number in front of a variable B. A number that doesn't change C. A symbol that represents a number 17. Identify the constant in this expression: 69y + 6Answer: _____ 18. Identify the variable in this expression: 5a - 2

Answer: _____

Part 4: Identify or Match

37x + 3
Answer:
20. What type of math sentence is this?
3x + 5 = 113x + 5 = 113x + 5 = 11
A. Expression B. Equation
Answer:

19. Identify the coefficient in this expression: