3123

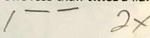
Name:	Algebra I Unit 1 Test
Date:Bell: _	(Algebra Basics)
SHOW ALL WORK NEEDED TO ANSWER EACH QUESTION! PLACE YOUR FINAL ANSWER IN THE BOX. GOOD LUCK!	
Which is the smallest set of real numbers that contains the value below?	2. Which set contains the value below?
$-\frac{18}{6} = -3$	√50
	4.04987.08
A. Irrational Numbers B. Rational Numbers C. Natural Numbers D. Integers	A. Irrational Numbers B. Natural Numbers C. Rational Numbers D. Integers
3. The set below only contains which types of numbers?	4. Select all sets to which the value below belongs.
$\{-1, 5, \frac{1}{2}, 15, 3.75, 36, \sqrt{81}, 100\}$	Real Numbers Irrational Numbers Rational Numbers
A. Irrational Numbers B. Rational Numbers C. Integers -2, -1, 0, 1, 2. P. Natural Numbers	Integers Whole Numbers Natural Numbers
5. Which of the following is <i>true</i> regarding number	6. Which property justifies the statement below?
sets?	x(y-3) = xy - 3x
A. All integers are whole numbers. B. All irrational numbers are real numbers.	
c. All real numbers are integers.	A Association Property
D. All rational numbers are natural numbers.	A. Associative Property B. Transitive Property C. Distributive Property
D	D. Commutative Property © Gina Wihon (All Things Algebra*, Ltd. 2017/026

15. Simplify the expression below

$$\frac{(3-13)^2+14}{4^2-5\cdot 2}$$

17. Evaluate the expression below if x = -1 and y = 3

"One less than twice a number."



- A. $1 n^2$



21. Translate the statement below.

"A number is no more than 50"





16. Evaluate the expression below if a = -8, b = 17, and c = 21

$$a^2 - (b + c)$$



18. Evaluate the expression below a = 8 and b = -5





20. Translate the statement below.

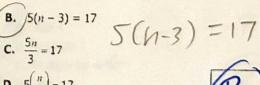
"Five times the difference of a number and 3 is 17."

A. 5n-3=17

B.
$$\sqrt{5(n-3)} = 17$$

C.
$$\frac{5n}{3} = 1$$

D.
$$5\left(\frac{n}{3}\right) = 1$$



22. Translate the statement below

"Your grade must be at least 64 to pass this class"

- A. 9 < 64





C Gina Wilson (All Things Algebra

23. Simplify the expression below. A. 7m + 29 B. 7m + 61C. -3m + 29D. -3m + 61simplest form.

