Scientific Notation Test (5 points each question)

Your Score_____

Write these numbers in Scientific Notation:

1)	2,684			
А.	Write the number with the first non-zero digit as the unit ; then			
	add a decimal point, and then either a zero or the rest of the digits			
D	until the last non-zero digit.	ra tha daaimal		
D.	Put your pench point on the original number, when point would go (after the first non-zero digit)	re the decimal		
C. Count to the left or right each place value until you get to the				
e.	original decimal point or to the end of the number			
D.	If you counted to the right, the power of ten is pos	itive. If you		
	counted to the left, the power of ten is negative.			
2)	0.000762			
А.	Write the number with the first non-zero digit as the unit ; then			
	add a decimal point, and then either a zero or the r	est of the digit	S	
р	until the last non-zero digit.			
b. Fut your pench point on the original number, where the decimal point would go (after the first non-zero digit)				
C	. Count to the left or right each place value until you get to the			
e.	original decimal point or to the end of the number.			
D.	D. If you counted to the right, the power of ten is positive. If you			
	counted to the left, the power of ten is negative.	-		
3)	589.35			
A.	Write the number with the first non-zero digit as the unit ; then			
add a decimal point, and then either a zero or the rest of the digits			S	
р	until the last non-zero digit.	ra tha daaimal		
D.	noint would go (after the first non-zero digit)			
C.	 C. Count to the left or right each place value until you get to the original decimal point or to the end of the number. 			
D.	. If you counted to the right, the power of ten is positive. If you			
	counted to the left, the power of ten is negative.			
4)	8.75			
A.	. Write the number with the first non-zero digit as the unit ; then			
	add a decimal point, and then either a zero or the rest of the digits			
в	until the last non-zero digit. Put your pencil point on the original number, where the decimal			
D.	point would go (after the first non-zero digit).			
C.	Count to the left or right each place value until you get to the			
	original decimal point or to the end of the number.			
D.	If you counted to the right, the power of ten is positive. If you			
	counted to the left, the power of ten is negative.			
			~_	
5) 10	6) 0.237		37	
E) 28 005		9) 290	9) 280 050	
7) 38.005		ð) 380	8) 380,050	
0) 0 29005		10) 0 (10) 0 00038005	
10) 0.00058005				
Write these numbers in Standard Notation:				
11)	5.7 8.6 $\times 10^2$	12)	$1.0.2 \times 10^{5}$	
11)	5.7 0 0 × 10	12)	1.0 2 × 10	
13)	3.015×10^{-2}	14)	4.2×10^{-4}	
,				
15)	$7.0 imes10^1$	16)	$2.3\ 0\ 0\ 2 imes 10^8$	
/		- /	-	
17)	$4.8 imes10^{0}$	18)	$1.0\ 0\ 0\ 2 imes 10^3$	

19) 9.9999×10^2 **20**) 8.573×10^{-1}

Answers

- 1) 2.684×10^3
- 2) 7.62×10^{-4}
- 3) 5.8 9 3 5 \times 10²
- 4) 8.7 5 × 10⁰
- 5) 1.0×10^{1}
- 6) $2.3.7 \times 10^{-1}$
- 7) 3.8005×10^{1}
- 8) 3.8005×10^5
- 9) 3.8005×10^{-1}
- 10) 3.8005×10^{-4}
- 11) 578.6
- 12) 102,000
- 13) 0.03015
- 14) 0.00042
- 15) 70
- 16) 230,020,000
- 17) 4.8
- 18) 1,000.2
- 19) 999.99
- 20) 0.8573