

METRIC CONVERSION TEST NOTES			
Name: _____			
Class: _____ TEST DATE: ____/____/____			
PREFIX	SYMBOL	MEANINGS	
kilo-	k-	1000	1000 meters
hecto-	h-	100	100 meters
deka-	dk-	10	10 meters
meter	-m	1	1 meter
deci-	d-	.1	.1 meter
centi-	c-	.01	.01 meter
milli-	m-	.001	.001 meter

1.) 342 cm = \_\_\_\_\_ km

2.) 8.976 km = \_\_\_\_\_ dm

3.) 100.67 hm = \_\_\_\_\_ m

4.) 0.04589098 dkm = \_\_\_\_\_ mm

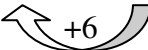

5.) 200.003 mm = \_\_\_\_\_ km

6.) 234 567 dm = \_\_\_\_\_ hm

## Scientific (Exponential) Notation

- 1) Find the decimal
- 2) Move the decimal behind the first numeral from the left that is NOT a zero.
- 3) Write the root number
- 4) Write "x 10."
- 5) Count the places between the old and new decimals.
- 6) Determine "+" (moved left; number became smaller in value) or "-" (moved right; number became larger in value).
- 7) Add an exponent to "x 10."
- 8) THE END!!!!

EXAMPLE:

Large Whole Number	Rule to be used	Large Fractional Number
a) 3.580 000. 	1), 2), 5), 6)	 a) 0.000 8.53 01
b) 3.58	3)	b) 8.530 1
c) 3.58 x 10	4)	c) 8.530 1 x 10
d) 3.58 x 10 <sup>+6</sup>	7)	d) 8.530 1 x 10 <sup>-4</sup>

1.) 89 700 000 = \_\_\_\_\_

2.) 25.67 = \_\_\_\_\_

3.) 0.000 007 89 = \_\_\_\_\_

4.) 0.000 000 000 1 = \_\_\_\_\_

5.) 2.34 x 10<sup>8</sup> = \_\_\_\_\_

6.) 3.5 x 10<sup>-5</sup> = \_\_\_\_\_