

Name : \_\_\_\_\_

T2S3

## Base and Exponent

A) Identify the base and exponent in each of the following.

1)  $(-5y)^{-9}$

Base = \_\_\_\_\_

Exponent = \_\_\_\_\_

2)  $\left(\frac{9}{5}\right)^3$

Base = \_\_\_\_\_

Exponent = \_\_\_\_\_

3)  $\left(\frac{4p}{7}\right)^{-2}$

Base = \_\_\_\_\_

Exponent = \_\_\_\_\_

4)  $\left(\frac{s}{2}\right)^7$

Base = \_\_\_\_\_

Exponent = \_\_\_\_\_

5)  $\left(-\frac{x}{3}\right)^5$

Base = \_\_\_\_\_

Exponent = \_\_\_\_\_

6)  $(8.8)^{-1}$

Base = \_\_\_\_\_

Exponent = \_\_\_\_\_

B) Write the numerals in

S.No	Base	Exponential Form
1)	-2	
2)	$(x -$	
3)	5	
4)	$-\frac{6}{8}$	

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C) 1) Which of the following has 0 as the exponent?

i)  $(9.2)^{-8}$

ii)  $(-4)^{-3}$

iii)  $(-2.3)^0$

iv)  $(0.4)^{-2}$

2) Which of the following has  $w$  as the base?

i)  $w^{-7}$

ii)  $\left(-\frac{w}{9}\right)^2$

iii)  $3^{-4}$

iv)  $\left(\frac{w}{2}\right)^{-6}$