

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