

Base and Exponent

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

- | | | |
|---|--|---|
| 1) $(9.2)^{-4}$

Base = _____

Exponent = _____ | 2) $\left(-\frac{5}{9}\right)^2$

Base = _____

Exponent = _____ | 3) $(2m - 7)^4$

Base = _____

Exponent = _____ |
|---|--|---|

- | | | |
|---|--|--|
| 4) $\left(-\frac{k}{4}\right)^{-1}$

Base = _____

Exponent = _____ | 5) v^5

Base = _____

Exponent = _____ | 6) $\left(\frac{r}{4}\right)^{-3}$

Base = _____

Exponent = _____ |
|---|--|--|

B) Write the numerals in

S.No	Base	Exponential Form
1)	$-\frac{5}{3}$	
2)	$-\frac{4}{2}$	
3)	2	
4)	12	

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C) 1) Which of the following has $\frac{c}{2}$ as the base?

- | | | | |
|------------------------------------|----------------------------------|-----------------------------------|-------------------------------------|
| i) $\left(\frac{c}{2}\right)^{-6}$ | ii) $\left(\frac{c}{7}\right)^8$ | iii) $\left(\frac{7}{6}\right)^7$ | iv) $\left(\frac{c}{6}\right)^{-5}$ |
|------------------------------------|----------------------------------|-----------------------------------|-------------------------------------|

2) Which of the following has -9 as the exponent?

- | | | | |
|---------------|-----------|--------------------------------------|-----------------------------------|
| i) $(-9.1)^3$ | ii) 7^9 | iii) $\left(\frac{3}{8}\right)^{-9}$ | iv) $\left(-\frac{1}{9}\right)^2$ |
|---------------|-----------|--------------------------------------|-----------------------------------|