

Base and Exponent

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

- | | | |
|--|---|--|
| 1) 1^2

Base = _____

Exponent = _____ | 2) $\left(-\frac{8}{3}\right)^{-7}$

Base = _____

Exponent = _____ | 3) $\left(\frac{3}{2}\right)^{-1}$

Base = _____

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

- | | | |
|--|--|---|
| 4) $\left(-\frac{9}{4}\right)^9$

Base = _____

Exponent = _____ | 5) $(7.4)^3$

Base = _____

Exponent = _____ | 6) $(-18)^{-4}$

Base = _____

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

B) Write the numerals in exponential form.

S.No	Base	Exponential Form
1)	4.9	
2)	$\frac{1}{9}$	
3)	$\frac{7}{6}$	
4)	$-\frac{4}{8}$	

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C) 1) Which of the following has -13 as the base?

- i) 5^8 ii) $(1.3)^5$ iii) $(-9)^{-2}$ iv) $(-13)^0$

2) Which of the following has 6 as the exponent?

- i) $\left(-\frac{4}{5}\right)^6$ ii) 19^{-7} iii) $\left(\frac{2}{5}\right)^{-6}$ iv) $\left(\frac{8}{7}\right)^{-9}$