Name : _____

Base and Exponent

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

1) $\left(\dfrac{a}{3}\right)^{-3}$

2) $(-11.6)^{-2}$

3) $\left(-\dfrac{9}{7}\right)^{5}$

Base = _____

Base = _____

Base = _____

Exponent = _____

Exponent = _____

Exponent = _____

4) $(-t)^{8}$

5) $\left(\dfrac{1}{4}\right)^{-6}$

6) $(x + 7)^{4}$

Base = _____

Base = _____

Exponent = _____

xponent = _____

B) Write the numerals in   ponent.

S.No	Bas			xponential Form
1)	$\dfrac{8}{5}$			
2)	-1			
3)	$-\dfrac{v}{7}$			
4)	$-7.$			

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C) 1) Which of the following has 6 as the exponent?

i) $\left(\dfrac{5}{6}\right)^{7}$

ii) $\left(\dfrac{v}{3}\right)^{6}$

iii) $(v + 5)^{-7}$

iv) 6^{-9}

2) Which of the following has $\dfrac{b}{2}$ as the base?

i) $\left(\dfrac{b}{5}\right)^{-3}$

ii) b^{2}

iii) $\left(\dfrac{3}{2}\right)^{4}$

iv) $\left(\dfrac{b}{2}\right)^{-8}$