POWERS AND ROOTS- WORKSHEET 1

Name: _____   Date: _____

<u>INSTRUCTIONS:</u> Answer ALL questions in the spaces provided.

1. SHOW THE DIFFERENCE BETWEEN $(-2)^4$ AND -2^4 BY FILLING IN THE BOXES BELOW.

$(-2)^4 = ($__$) \times ($__$) \times ($__$) \times ($__$) = $_____

$-2^4 = - ($__$) \times ($__$) \times ($__$) \times ($__$) = $_____

2. EVALUATE THE FOLLOWING:

$7^3 = $_____	$11^2 = $_____	$\sqrt{49} = $_____
$-6^3 = $_____	$\sqrt{100} = $_____	$\sqrt[2]{361} = $_____
$\sqrt[2]{225} = $_____	$(-5)^3 = $_____	$($__$)^2 = 1$
$\sqrt[2]{81} = $_____	$\sqrt{400} = $_____	$($__$)^2 = 169$
$(-3)^5 = $_____	$-2^6 = $_____	$-9^1 = $_____
$($__$)^2 = 196$	$(-4)^5 = $_____	$\sqrt{10000} = $_____