

POWERS AND ROOTS- WORKSHEET 1

Name: _____

Date: _____

INSTRUCTIONS: Answer ALL questions in the spaces provided.

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

$(-2)^4 = (\quad) \times (\quad) \times (\quad) \times (\quad) = \underline{\hspace{2cm}}$
$-2^4 = - (\quad) \times (\quad) \times (\quad) \times (\quad) = \underline{\hspace{2cm}}$

2. EVALUATE THE FOLLOWING:

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