

Name : \_\_\_\_\_

T2S1

## Expanded Form & Exponential Form

A) Express each of the following in expanded form.

1)  $(6.4)^8 =$

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2)  $\left(\frac{b}{2}\right)^4 =$

\_\_\_\_\_

3)  $(-q)^5 =$

\_\_\_\_\_

4)  $\left(-\frac{7}{4}\right)^2 =$

\_\_\_\_\_

5)  $11^9 =$

\_\_\_\_\_

6)  $(-4t)^6 =$

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B) Express each of the following in exponential form.

1)  $\frac{2}{3} \cdot \frac{2}{3} \cdot \frac{2}{3} \cdot \frac{2}{3}$

2)  $(-a) \cdot (-a) \cdot (-a)$

3)  $\left(-\frac{3}{7}\right) \cdot \left(-\frac{3}{7}\right) \cdot \left(-\frac{3}{7}\right)$

4)  $\frac{n}{5} \cdot \frac{n}{5} \cdot \frac{n}{5} \cdot \frac{n}{5} \cdot \frac{n}{5} \cdot \frac{n}{5} \cdot \frac{n}{5} \cdot \frac{n}{5} \cdot \frac{n}{5} \cdot \frac{n}{5}$

=

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5)  $(-2.1) \cdot (-2.1) \cdot (-2.1) \cdot (-2.1) \cdot (-2.1) \cdot (-2.1)$

=

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6)  $6 \cdot 6 \cdot 6$

=

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