

Name : _____

T2S3

Expanded Form & Exponential Form

A) Express each of the following in expanded form.

1) $(-2w)^7 =$ _____

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

3) $\left(\frac{8u}{5}\right)^4 =$ _____

4) $\left(-\frac{c}{6}\right)^5 =$ _____

5) $(7.9)^3 =$ _____

6) $\left(\frac{d}{4}\right)^8 =$ _____

B) Express each of the following in exponential form.

1) $13 \cdot 13 \cdot 13 \cdot 13$ = _____

2) $\left(-\frac{k}{2}\right) \cdot \left(-\frac{k}{2}\right) \cdot \left(-\frac{k}{2}\right)$ = _____

3) $\frac{1}{4} \cdot \frac{1}{4} \cdot \frac{1}{4} \cdot \frac{1}{4}$ = _____

4) $(-10s) \cdot (-10s) \cdot (-10s) \cdot (-10s) \cdot (-10s) \cdot (-10s)$ = _____

5) $\left(-\frac{2}{5}\right) \cdot \left(-\frac{2}{5}\right)$ = _____

6) $\frac{7x}{3} \cdot \frac{7x}{3} \cdot \frac{7x}{3} \cdot \frac{7x}{3}$ = _____

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