

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

## Expanded Form & Exponential Form

T1S1

A) Express each of the following in expanded form.

1)  $\left(-\frac{2}{3}\right)^5 =$  \_\_\_\_\_

2)  $8^3 =$  \_\_\_\_\_

3)  $\left(\frac{1}{6}\right)^8 =$  \_\_\_\_\_

4)  $\left(\frac{5}{2}\right)^4 =$  \_\_\_\_\_

5)  $(-2)^7 =$  \_\_\_\_\_

6)  $(-4)^6 =$  \_\_\_\_\_

B) Express each of the following in exponential form.

1)  $(-0.8) \cdot (-0.8) \cdot (-0.8) =$  \_\_\_\_\_

2)  $\left(-\frac{3}{5}\right) \cdot \left(-\frac{3}{5}\right) \cdot \left(-\frac{3}{5}\right) \cdot \left(-\frac{3}{5}\right) \cdot \left(-\frac{3}{5}\right) =$  \_\_\_\_\_

3)  $(-6) \cdot (-6) \cdot (-6) \cdot (-6) \cdot (-6) \cdot (-6) =$  \_\_\_\_\_

4)  $9 \cdot 9 \cdot 9 \cdot 9 \cdot 9 \cdot 9 \cdot 9 \cdot 9 \cdot 9 \cdot 9 =$  \_\_\_\_\_

5)  $\left(-\frac{8}{7}\right) \cdot \left(-\frac{8}{7}\right) =$  \_\_\_\_\_

6)  $5 \cdot 5 \cdot 5 \cdot 5 \cdot 5 \cdot 5 \cdot 5 \cdot 5 =$  \_\_\_\_\_