

Master 1.20

Extra Practice 4

Section 1.4: Exponents

- Write the base, then the exponent of each power.
a) 5^{12} b) 7^4 c) 2^9 d) 10^1
- Write in expanded form.
a) 1^6 b) 6^3 c) 7^5 d) 8^4
- Write in exponent form, then in standard form.
a) $41 \times 41 \times 41$ b) $11 \times 11 \times 11 \times 11 \times 11$

c) $4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4$ d) $9 \times 9 \times 9 \times 9$
- Write as a power of 4.
a) 64 b) 16 c) 4 d) 256 e) 1024
- Write these numbers in order from least to greatest.
 $4^3, 5^2, 2^4, 3^5$
- Write each number in exponent form in as many different ways as you can.
a) 625 b) 256
- Use a calculator. Simplify.
a) 11^6 b) 6^7 c) 8^5 d) 12^5