

Exponents Review

Name: _____ Score: _____

(1) Write in exponent form

$3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3$

$6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6$

$4 \times 4 \times 4 \times 4 \times 4 \times 4$

$2 \times 2 \times 2 \times 2$

$10 \times 10 \times 10 \times 10 \times 10$

$7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7$

(2) Write in expanded form

10^7

3^6

13^5

2^7

6^6

9^4

(3) Write in standard form

2^4

7^4

6^3

12^3

3^7

11^3

8^3

3^5

4^5

10^3

10^4

2^{10}

Answers

(1) Write in exponent form

$$3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3$$

$$3^7$$

$$6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6$$

$$6^7$$

$$4 \times 4 \times 4 \times 4 \times 4 \times 4$$

$$4^6$$

$$2 \times 2 \times 2 \times 2$$

$$2^4$$

$$10 \times 10 \times 10 \times 10 \times 10$$

$$10^5$$

$$7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7$$

$$7^7$$

(2) Write in expanded form

$$10^7$$

$$10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$$

$$3^6$$

$$3 \times 3 \times 3 \times 3 \times 3 \times 3$$

$$13^5$$

$$13 \times 13 \times 13 \times 13 \times 13$$

$$2^7$$

$$2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$$

$$6^6$$

$$6 \times 6 \times 6 \times 6 \times 6 \times 6$$

$$9^4$$

$$9 \times 9 \times 9 \times 9$$

(3) Write in standard form

$$2^4$$

$$16$$

$$7^4$$

$$2,401$$

$$6^3$$

$$216$$

$$12^3$$

$$1,728$$

$$3^7$$

$$2,187$$

$$11^3$$

$$1,331$$

$$8^3$$

$$512$$

$$3^5$$

$$243$$

$$4^5$$

$$1,024$$

$$10^3$$

$$1,000$$

$$10^4$$

$$10,000$$

$$2^{10}$$

$$1,024$$