

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

Score: \_\_\_\_\_

**Exponents**

**(A) Rewrite in expanded form:**

1)  $(-5)^4$   
= \_\_\_\_\_

2)  $16^4$   
= \_\_\_\_\_

3)  $(-9)^3$   
= \_\_\_\_\_

4)  $21^3$   
= \_\_\_\_\_

**(B) Rewrite in exponent form:**

1)  $(-19) \times (-19) \times (-19)$   
= \_\_\_\_\_

2)  $4 \times 4 \times 4 \times 4 \times 4$   
= \_\_\_\_\_

3)  $(-2) \times (-2) \times (-2) \times (-2)$   
= \_\_\_\_\_

4)  $11 \times 11 \times 11 \times 11 \times 11 \times 11$   
= \_\_\_\_\_

**(C) Rewrite in standard form:**

1)  $(-15)^2$   
= \_\_\_\_\_

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

3)  $3^5$   
= \_\_\_\_\_

4)  $8^3$   
= \_\_\_\_\_

5)  $(-6)^4$   
= \_\_\_\_\_

6)  $11^3$   
= \_\_\_\_\_

7)  $14^2$   
= \_\_\_\_\_

8)  $(-12)^2$   
= \_\_\_\_\_

9)  $(-9)^3$   
= \_\_\_\_\_

10)  $5^4$   
= \_\_\_\_\_

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### Answers

#### (A) Rewrite in expanded form:

1)  $(-5)^4$

=  $(-5) \times (-5) \times (-5) \times (-5)$

3)  $(-9)^3$

=  $(-9) \times (-9) \times (-9)$

2)  $16^4$

=  $16 \times 16 \times 16 \times 16$

4)  $21^3$

=  $21 \times 21 \times 21$

#### (B) Rewrite in exponent form:

1)  $(-19) \times (-19) \times (-19)$

=  $(-19)^3$

3)  $(-2) \times (-2) \times (-2) \times (-2)$

=  $(-2)^4$

2)  $4 \times 4 \times 4 \times 4 \times 4$

=  $4^5$

4)  $11 \times 11 \times 11 \times 11 \times 11 \times 11$

=  $11^6$

#### (C) Rewrite in standard form:

1)  $(-15)^2$

=  $225$

3)  $3^5$

=  $243$

5)  $(-6)^4$

=  $1296$

7)  $14^2$

=  $196$

9)  $(-9)^3$

=  $729$

2)  $(-2)^7$

=  $-128$

4)  $8^3$

=  $512$

6)  $11^3$

=  $1331$

8)  $(-12)^2$

=  $144$

10)  $5^4$

=  $625$