

Practice Exponent Shorthand

Directions: For the following problems, choose an answer from among the multiple choices.

1. Write using exponents. $(2)(2)(2)(2)(2) =$ **Choose:**



- 2^5
- 5^2
- $5 \cdot 2 =$

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2. Express using exponents:
6 multiplied times itself m times.



Choose:

- m^6
- 6^m
- $6m$

3. Express using mathematical shorthand: $5 + 5 + 5$ **Choose:**



- 5^4
 - $4 \cdot 5$
 - 4^5
-

4. Express using mathematical shorthand: $a \cdot a \cdot a \cdot a \cdot \dots \cdot a$ (14 factors) **Choose:**



- a^5
 - $14a$
 - a^{14}
-

5. Express using mathematical shorthand: $(x)(x)(x) + (x)(x)(x) + (x)(x)(x) + (x)(x)(x)$ **Choose:**



- $3x^4$
 - $4x^3$
 - $12x$
-

6. Express using mathematical shorthand:
 $r + r + r + r + \dots + r$ (16 terms)



Choose:

- r^5
 - $16r$
 - r^{16}
-

7. Express using mathematical shorthand:
 $(-5)(-5)(-5)(-5)(-5)(-5)$



Choose:

- -5^6
 - $(-5)^6$
 - $6(-5)$
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