

Name: _____

Math Practice: Page 8A

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Class: _____

Date: _____

Directions: Use the laws of exponents to simplify.

1) $x^{10} \cdot x^7$	2) $a^{23} \cdot a^{10}$
3) $x^{13} \cdot x^2$	4) $a^5 \cdot b^3$
5) $2x^3 \cdot 10x^6$	6) $5a^3b^2 \cdot 10a^5b^7$
7) $6a^2b^3c^4 \cdot 3a^3b^2c$	8) $8b^2i^6g \cdot 2b^3i^2g$
9) What is the product of: $3x^2y^4z \cdot 2x^3y^3z^7 \cdot 6x^4y^2z$	10) What is the product of: $(5a^3b^2c^5)(3a^5b^3c)$
11) What is the product of: $(7q^4r^2s)(2q^{10}r^5s)$	12) What is the product of: $4c^{12}d^{10}e \cdot 2c^{10}d^2$

