

Name: _____

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Class: _____

Date: _____

<p>1) Find the product of the following.</p> <p>A) $x^5 \cdot x^7$ _____</p> <p>B) $y^4 \cdot y^2$ _____</p> <p>C) $a^5 \cdot a^4$ _____</p> <p>D) $x^3 \cdot y^2$ _____</p>	<p>2) Find the product of the following.</p> <p>A) $3x^2 \cdot x$ _____</p> <p>B) $2x^2 \cdot 3x$ _____</p> <p>C) $10x^2 \cdot 5x^6$ _____</p> <p>D) $(ab^2)(a^2b)$ _____</p>
<p>3) More product fun. Find the product.</p> <p>A) $(3ab)(2a^3b)$ _____</p> <p>B) $(6a^2b^2)(-2ab^3)$ _____</p> <p>C) $(4ab^4)(-3ab^4)$ _____</p> <p>D) $(10x^4y^3)(5x^2y)$ _____</p>	<p>4) Simplify using the power to a power law.</p> <p>A) $(2^3)^6$ _____</p> <p>B) $(4^2)^3$ _____</p> <p>C) $(5^{10})^2$ _____</p>
<p>5) Multiply the expression.</p> $-2x(x - 4)$	<p>6) Multiply the expression.</p> $-8x(2x + 3)$
<p>7) Multiply the expression.</p> $4x(x^2 - 2x + 3)$	<p>8) Simplify.</p> $4x^2 + 15y - 5x^2 + 6$