

7.1 Notes
Multiplication Properties of Exponents

$$6x^n$$

Terms				
<i>Monomials</i>	<i>Binomials</i>	<i>Trinomials</i>	<i>Polynomials</i>	<i>Constants</i>

Example 1: Monomial?

10

$23abcd^2$

$f + 24$

$\frac{xyz^2}{2}$

h^2

$x^2 + x + 3$

j

$\frac{5}{t}$

Part 2: Simplify

_____ of _____	$a^m \cdot a^n = a^{m+n}$
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$(6n^3)(2n^7)$

$(6cd^5)(5c^5d^2)$

$(r^4)(-12r^7)$

_____ of a _____	$(a^m)^p = a^{mp}$
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$(x^3)^5$

$[(x^3)^2]^4$

$(3^2)^4$

_____ of a _____	$(ab)^m = a^m b^m$
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$(5xy)^3$

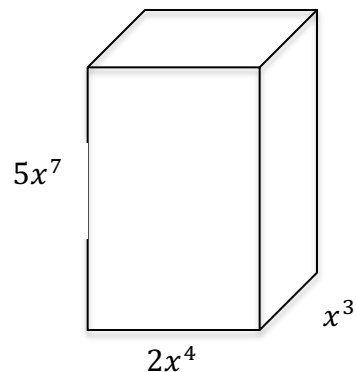
$(-2a^4b^3)^3$

$\pi(2xy^2)^2$

Homework Examples

$[(3^4)^4]^4$

$(3p^5r^2)^4(-7p^3r^4)^2(6pr^3)$



Homework Problems Assigned:

7.1 (p. 399) #21-26, 27-35 odd, 46-48, 59