

Algebra I

4-4

Powers of Monomials

Laws of Exponents

1) $x^4 \cdot x^5 =$

2) $(x^4)^3 =$

3) $(x^3 + x^2)^4 =$

4) $(2x^3y^2)^3 =$

5) $x^3 + x^4 =$

Evaluate if $x = 3$ and $y = 2$. (pg 156)

1a) $3x^3$

b) $(3x)^3$

c) $3^3 \cdot x^3$

Simplify.

5a) $c^5 \cdot c^2$

b) $(c^2)^5$

c) $(c^5)^2$

Simplify.

21) $(2x)^2 (2x)^4$

Find and simplify a) the sum and b) the product of the given monomials.

33) $(3x^3)^2 ; (2x^2)^3$

Assignment:
Pg. 156
2-50 even