

Name: _____

Date: _____

Notes

Algebra Section 8.1

Pages 489-494

Goal: "Use properties of exponents involving products"



Write the following expressions out as products:

$$a^2 =$$

$$a^3 =$$

So then how would you multiply....?

$$a^2 \cdot a^3$$

Multiply the following. Write your answer as an exponent:

Ex: $a^3 a^5 a^2$

Ex: $b^2 b^4 b^6$

Ex: $x \cdot x^8 \cdot x^2$

Ex: $x^5 \cdot x \cdot x^2$

Ex: $y \cdot y^6 \cdot y$

Ex: $m^4 m^2 m^7$

Ex: $x^7 \cdot x^3$

Ex: $b \cdot b^3 \cdot b^5 \cdot b^2$