

Chapter B8: Laws of Exponents5/91
Reformatted 5/03

This worksheet is to be used along with the video tape labeled "Laws of Exponents".

Exercise 1: (CD TRACK 2)

1. $x^3 \cdot x^8 =$

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

3. $6x^5 \cdot 3x =$

4. $\frac{9x^8}{12x^5} =$

5. $\frac{y^3}{y^{10}} =$

1. x^{11}

2. x^6

3. $18x^6$

4. $\frac{3x^3}{4}$

5. $\frac{1}{y^7}$

Exercise 2: (CD TRACK 4)

1. $(3xy)^4 =$

2. $(x^2y^5)^2 =$

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

4. $\frac{(4xy^3)^2}{(2x^2y)^4} =$

1. $81x^4y^4$

2. x^4y^{10}

3. $64x^9y^3$

4. $\frac{y^2}{x^6}$