

## **ECSU SUMMARY DISCUSSION CHECKLIST**

### **Chapter 7: Exponents and Polynomials**

*Experiencing Introductory and Intermediate Algebra Through Functions and Graphs,*  
by Thomasson and Pesut 3<sup>rd</sup> edition, Prentice Hall

#### **Students Should Be Able To:**

- Rewrite Exponential Expressions By Using Their Definitions
- Simplify Exponential Expressions By Using The Product Rule
- Simplify Exponential Expressions By Using The Quotient Rule
- Simplify Exponential Expressions By Using The Power-To-A-Power Rule
- Simplify Exponential Expressions By Using The Product-To-A-Power Rule
- Simplify Exponential Expressions By Using More Than One Rule For Exponents
- Write Exponential Expressions With Negative Exponents As Equivalent Expressions With Positive Exponents
- Simplify Exponential Expressions With Negative Exponents By Using The Rules Of Exponents
- Add Polynomials
- Subtract Polynomials
- Multiply By A Monomial
- Multiply Two Binomials

**ECSU SUMMARY DISCUSSION CHECKLIST CONTINUED**  
**Chapter 7: Exponents and Polynomials**

**Students Should Be Able To:**

- Multiply Polynomials Of Two Or More Terms
- Multiply Polynomials, Resulting In Special Products
- Simplify Polynomials Involving Addition, Subtraction, And Multiplication
- Divide By A Polynomial By A Monomial
- Divide By A Polynomial By A Binomial