Simplify the expression.

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1. $1x^1 \cdot 2x^4$ → $2x^5$

2. $(3b^3)^2 = 3^2(b^3)^2$; $(3b^3)\cdot(3b^3) = 9b^6$

3. $\frac{4p^5}{8p^4} = \frac{1\cdot p^1}{2} = \frac{p}{2}$

4. $\left(\frac{2a^0}{a^3}\right)^3 = \left(\frac{2}{a^3}\right)^3 = \frac{2^3}{(a^3)^3} = \frac{8}{a^9}$

5. $\frac{g^3h^3}{gh^4} = \frac{g^2}{h^1}$; g g g h h h / g h·h·h·h

6. $\left(\frac{a^5b^6c^3}{a^4b^2c}\right)^2 = (ab^4c^2)^2 = a^2(b^4)^2(c^2)^2 = a^2b^8c^4$

UNIT 6: Intermediate Algebra B Name: _____ Period: _____

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Use this guide to help you evaluate where you are at in this chapter, and identify areas that you need extra help in.

☺=Proficient (you are awesome at this) 😐=Middle (you need some improvement) ☹=Not Proficient (HELP!)

Intermediate Algebra Unit 6 : Solving Polynomial functions

Date Covered	LT Letter	Learning Target (LT) (What you should know)	Practice Problems	Number of Test Questions/Points	Self-Evaluation (Do you know it?)
5/1	6.1 A & 6.1 B	I graph polynomial functions and identify the significant features of the graph.	6.1 A #1, 4-6 (P-77) 6.1 B #1-13 (P-83)		☹ 😐 ☺
5/4 5/5 Quiz "Exit Ticket"	6.2 A		6.2 A #1-15 (P-93)	HMWK: Exponent Worksheet	☹ 😐 ☺
5/6 Quiz "Warm-up"	6.2 B & 6.2C	I can demonstrate understanding of operations with polynomials.	6.2 B #3-15(odds), 21, 22 (P-95) 6.2 C #2-22(evens)		☹ 😐 ☺