

Name _____ Date _____ Pd _____

5.6 Long Division of Polynomials DAY ONE CYU

Use when you get it right all by yourself

S Use when you did it all by yourself, but made a silly mistake

H Use when you could do it alone with a little help from teacher or peer

G Use when you completed the problem in a group

X Use when a question was attempted but wrong (get help)

N Use when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Long Division with polynomial functions	1 - 4	5 - 8	9 - 12

Use long division to complete the division problems below. Show all work to earn full credit.

1. $\frac{12x^4+3x^2}{x}$

2. $\frac{15x^2-9x^5}{x}$

3. $\frac{20x^3-30x^2+5x+5}{5}$

4. $\frac{8x^3-4x^2+6x+2}{2}$

5. $\frac{15p^3+18p^2}{3p}$

6. $\frac{14m^2-27m^3}{7m}$

7. $\frac{-9x^4+18x^5}{6x^5}$

8. $\frac{6x^5+3x^4}{3x^4}$

9. $\frac{-9x^5+3x^4-12}{3x^3}$

10. $\frac{6a^2-2a+12}{-2a^2}$

11. $\frac{4x^4-6x^3+7}{-4x^4}$

12. $\frac{-12a^3+36a-15}{3a}$

CYU Reflection: *How far can you go: basic, intermediate, or advanced?*

Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give yourself.

