

Name _____ Date _____ Pd _____
 Bridge to Algebra 2 Quiz Review 5.6 – 5.7

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
Dividing	1, 2		
Long Division	3, 4, 5, 8	6, 7	
Synthetic Division	3, 4, 5, 8	6, 7	
Word problems			

Divide. Show all work to earn full credit.

1. $\frac{x^2+21x+49}{7x^2}$

2. $\frac{5a^3b-15ab^2+20ab}{-5ab}$

Use long division & synthetic division to divide the two polynomials. Show work for both methods to earn full credit.

3. $(a^2 - a + 4) \div (a - 2)$

4. $(4x^2 + 20x + 7) \div (x + 5)$

5. $\frac{a^3+a^2+2a+6}{a-2}$

6. $\frac{9b^3-18b^2+8b-1}{3b-2}$

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

8. $\frac{-10x^2-x^3-21x+18}{x-6}$

9. The area of a rectangle is $(15x^3 - 3x^2 + 60)$ square feet. If its length is $3x^2$ feet, find its width.

10. The perimeter of an equilateral triangle is $(21a^3b^6 + 3a - 3)$ units. Find the length of a side.

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.

