Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_

Class worksheet: Alg2H

Rational expressions: Divide (Synthetic)

(book chapter 6)

|  |  |
| --- | --- |
| Long | Synthetic |
|  |  |

|  |
| --- |
| (W/ remainder) |

|  |  |
| --- | --- |
| $$\frac{2x^{3}+5x^{2}+5x+6}{x+2} = ? $$ | $$\frac{2x^{4}-30x^{2}-2x-1}{x-4} = ? $$ |
| $$\left(x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)÷(x+1)=? $$ |