Polynomial and Rational Functions Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A2RCC U8D4 Homework

1. Factor Completely.



|  |  |
| --- | --- |
| 1. $196x^{2}-25y^{2}$
 | 1. $x^{3}+125$
 |
| 1. $x^{3}-27$
 | 1. $x^{3}+1$
 |
| 1. $-x^{3}-8$
 | 1. $8x^{3}-27$
 |
| 1. $64-9x^{2}$
 | 1. $8x^{4}+x$
 |

1. Consider the polynomial identity $(x+y)^{3}=x^{3}+3x^{2}y+3xy^{2}+y^{3}$.





1. 



1.

