**0.2 Review of Pre-Calculus (part 2)**

**Remainder Theorem**

What is the remainder when  is divided by ?

**Factor Theorem**

Is  a factor of ? Is ?

**Rational Root Theorem**

Factor completely 

**Synthetic Division**

Divide  by  Divide  by 

Factor completely

  

**Difference of Cubes Sum of Cubes**

 