**3.2 – THE REMAINDER THEOREM**

To divide polynomials, you can use long division or synthetic division.

**Examples of LONG DIVISION:**

A math equation with black text

Description automatically generated

2. Your turn p 121

**Examples of SYNTHETIC DIVISION:**



Your turn p 122:



If you divide a Polynomial by , then the remainder is .

**The REMAINDER THEOREM**:

Example 1: divided by

Example 2: divided by

Your turn: and

**Hwk: p 124 # 3 – 15 + 16**