## Individual Recovery Work ‘ Polynomial STATIONS

Instructions: Answer all Parts of each station. READ CAREFULLY.

## **Station 1**

**PROVE** the factors given for the polynomial are indeed it’s factors. *(How can you prove they are the factors? Explain your reasoning.)*

Factors: ( x-4)(x-5)(x-3)

**STATION 2**

**Find all zeros**

**STATION 3**

***Analyze* the polynomial below . Find the zeroes by *Creating* a list of possible rational roots (Rational Root Theorem). State the list! Then find your actual zeros. Reference your notes taken on the “Rational Root Theorem” if needed.**

## **Station 4:**

Find all zeros!

**Station 5: Summary**

**Closing Questions**

Choose 1. Gather your thoughts and ideas, discuss and provide a written response.

1. What connection does a factor have to a zero? And Vice versa?
2. Summarize the Rational Root Theorem in 3 sentences or less.
3. What is the connection between a root, zero and factors?