MA 109: October 9

Polynomials: Roots and Multiplicity

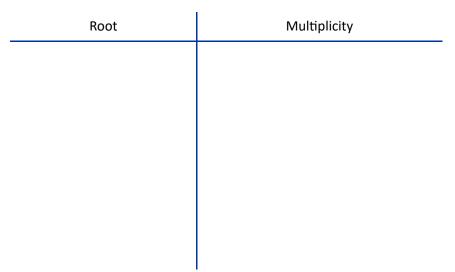## Start of Class

Instructor Information

Name:

Email:

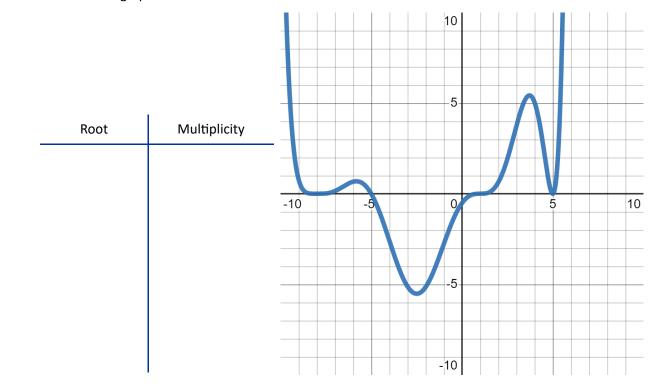Office Hours:

Warm-up Questions

Notes

Example: Complete the following table to determine all of the roots and their multiplicities for the function

$$p(x) = 6(x - 3)^7 (x + 2)$$

Root	Multiplicity

Example: Complete the following table to determine all of the roots and their multiplicities for the polynomial function in the graph below.

Root	Multiplicity

Summary: Roots and Multiplicity

From the Equation	From the Graph

End of Class

Write a summary of what you learned today:

What questions do you have about the material from today?

What do you need to do between now and the next class meeting?