# Practical 6

*This document is a starting point for preparing your responses to Practical Six. Save it as a new document and then replace the phrase, “>Enter response here” with your responses.*

**Name:**

**Date:**

Creating Coefficient Arrays: Write the polynomial for the given array. Write the array for the given polynomial.

>Enter response here

Adding Polynomials with Coefficient Arrays Add polynomials. What is the problem? Redefine q.

>Enter response here

Multiplying Polynomials: multiply p and q using conv, copy and paste. Solve by hand, take image and insert. Is MATLAB trustworthy?

>Enter response here

Finding Polynomial Roots: Find roots of the two polynomials. Copy and paste code and output.

>Enter response here

Dividing Polynomials: Multiply then divide and find remainder and quotient. Copy and paste code and output.

>Enter response here

Recreating Polynomials from Given Roots: Find polynomial with given roots. Copy and paste code and output.

>Enter responses here

A Polynomial Plot Function: Copy and paste code and output of plotPoly.m.

>Enter responses here

Fitting a Polynomial Curve: Copy and paste code and output of fitPoly.m. Insert Plot.

>Enter responses here

Define the following terms:

Coefficient Array

>Enter responses here