Comp 333 Sample test cases for Project 2

>(define p1 ‘ (5 0 3 2 1) )

>(define p2 ‘( 5 3 1 ) )

> p1

'(5 0 3 2 1)

> p2

'(5 3 1)

> (addPoly p1 p2)

'(5 0 8 5 2)

> (multiplyPoly p1 p2)

'(25 15 20 19 14 5 1)

> (displayPoly p1)

5x^4 + 3x^2 + 2x + 1

> (displayPoly p2)

5x^2 + 3x + 1

> (displayPoly ( addPoly p1 p2))

5x^4 + 8x^2 + 5x + 2

> (displayPoly (multiplyPoly p1 p2))

25x^6 + 15x^5 + 20x^4 + 19x^3 + 14x^2 + 5x + 1

> (subtractPoly p2 p1)

'(-5 0 2 1 0)

> (displayPoly (subtractPoly p2 p1))

-5x^4 + 2x^2 + x

> (evalPoly p1 -2)

89

> (evalPoly p2 1.5)

16.75

>