Comp 333 Project 2 Testcases

Directions: Insert the testcases function into your polynomial.rkt code. Run (testcases). Copy and paste the results into a WORD file. Turn in with the hard copy of your code.

(define testcases

(lambda ()

(let ( [t1 '( 2 6 0 4 3 2)]

[t2 '(6 -3 0 -3 0 )]

[t3 '( 1 -3 0 0 0 4 -12)] )

(displayln t1)

(displayPoly t1) (newline)

(displayln t2)

(displayPoly t2) (newline)

(displayln (addPoly t1 t2))

(displayPoly (addPoly t1 t2)) (newline)

(displayln (subtractPoly t1 t2))

(displayPoly (subtractPoly t1 t2)) (newline)

(displayln (multiplyPoly t1 t2))

(displayPoly (multiplyPoly t1 t2)) (newline)

(displayln t3)

(displayPoly t3) (newline)

(displayln (evalPoly t1 -2))

(displayln ( evalPoly t2 1.50))

(displayln (evalPoly t3 3))

(displayln (polynomial? t3))

(displayln( polynomial? "polynomial"))

(displayln ( polynomial? '( 0 5 6 7) ) )

(displayln (polynomial? (subtractPoly t1 t1)))

)))