function nextX = NewtonRaphsonStep(prevX, firstOrderDerivativePolynomialCoefficients, secondOrderDerivativePolynomialCoefficients)

firstOrderDerivative = Polynomial(prevX, firstOrderDerivativePolynomialCoefficients);

secondOrderDerivative = Polynomial(prevX, secondOrderDerivativePolynomialCoefficients);

if secondOrderDerivative == 0

throw(MException('NewtonRaphson:SecondOrderDerivativeZero', 'The second order derivative in the point x=%.4f is 0, can''t find next point', prevX));

end

nextX = prevX - (firstOrderDerivative / secondOrderDerivative);

end