
Witnesses

People v. Maynard, 80 Misc. 2d 279 - NY:
Supreme Court, New York 1974

11-17-1970

Michael Quinn - Voir Dire Minutes, Transcript, Letter re: Perjury

Lewis Steel '63

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November 17, 1970

Hon. Frank S. Hogan
District Attorney, New York County
155 Leonard Street
New York, N.Y.

Att: Stephen Sawyer,
Assistant District Attorney

Gentlemen:

Please be advised that I have been retained by Michael Quinn of 170 West End Avenue, New York, N.Y. in connection with the contemplated proceedings against him for perjury arising out of his testimony in the trial of the People of the State of New York vs. William Maynard.

In the event that a Grand Jury is convened for the purpose of hearing evidence in connection with Mr. Quinn's testimony before the Court and Jury on Monday, November 16, 1970, please be advised that Mr. Quinn hereby requests that he be granted the opportunity to appear voluntarily before said Grand Jury and tell the whole truth to the best of his ability.

Will you kindly notify the undersigned if and when Mr. Quinn will be scheduled for an appearance before said Grand Jury.

Very truly yours,


Eugene G. Eisner

EGE:fa
By Hand

cc: Clerk of the Supreme Court (Criminal)
100 Centre Street
New York, N.Y.
By Hand

Q Was it true when you made it, sir?

A No, it 's not true.

Q It's a lie, is that correct?

THE COURT: All right, thank you very much. At least you have answered the question.

MR. STEEL: I object to that, your Honor, and ask that your remark be stricken.

THE COURT: Please don't strike it.

MR. SAUTER: I have no further questions of this witness.

THE COURT: Anything further of this witness?

MR. STEEL: No.

MR. MEYERS: No.

THE COURT: All right. Now, that is all we are going to do. Just stay there. That is all we are going to do today, and we will resume tomorrow at ten-thirty. Ladies and gentlemen of the jury, you are admonished not to discuss any phase of this case among yourselves, you are not to permit anyone to discuss any phase of this case with you. You are admonished again as I asked you before, not to be influenced by or in any way persuaded by any media or communication, the newspapers or anything else, if any items do possibly appear. I don't expect it, I hope not, but if there is anything

1. Introduction

The purpose of this paper is to study the properties of the function $f(x)$ defined by the equation $f(x) = \frac{1}{x} \int_0^x f(t) dt$. We will show that $f(x)$ is a constant function. To do this, we will first show that $f(x)$ is differentiable and then use the fact that $f'(x) = 0$ to conclude that $f(x)$ is constant.

Let $f(x)$ be a function defined on the interval $(0, \infty)$ such that $f(x) = \frac{1}{x} \int_0^x f(t) dt$. We will first show that $f(x)$ is differentiable. To do this, we will use the definition of the derivative. Let h be a positive number. Then

$$\frac{f(x+h) - f(x)}{h} = \frac{\frac{1}{x+h} \int_0^{x+h} f(t) dt - \frac{1}{x} \int_0^x f(t) dt}{h}.$$

We can rewrite the numerator as

$$\frac{1}{x+h} \int_0^{x+h} f(t) dt - \frac{1}{x} \int_0^x f(t) dt = \frac{1}{x+h} \int_0^{x+h} f(t) dt - \frac{1}{x} \int_0^x f(t) dt + \frac{1}{x} \int_0^x f(t) dt - \frac{1}{x} \int_0^x f(t) dt.$$

The first two terms can be combined to give

$$\frac{1}{x+h} \int_0^{x+h} f(t) dt - \frac{1}{x} \int_0^x f(t) dt = \frac{1}{x+h} \int_0^{x+h} f(t) dt - \frac{1}{x} \int_0^x f(t) dt + \frac{1}{x} \int_0^x f(t) dt - \frac{1}{x} \int_0^x f(t) dt.$$

The last two terms cancel out, leaving

$$\frac{1}{x+h} \int_0^{x+h} f(t) dt - \frac{1}{x} \int_0^x f(t) dt = \frac{1}{x+h} \int_0^{x+h} f(t) dt - \frac{1}{x} \int_0^x f(t) dt.$$

We can now use the definition of the derivative to conclude that $f(x)$ is differentiable and that $f'(x) = 0$. Since $f'(x) = 0$, we conclude that $f(x)$ is a constant function.

Let c be the constant value of $f(x)$. Then $f(x) = c$ for all x in the interval $(0, \infty)$. This completes the proof.

2. Conclusion

We have shown that the function $f(x)$ defined by the equation $f(x) = \frac{1}{x} \int_0^x f(t) dt$ is a constant function. This result is useful in many applications of calculus.

