

## A note on an olympiad problem

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### ABSTRACT.

In this note we study a generalization of an integral inequality, involving the  $k^{\text{th}}$  derivative of a differentiable function, that was proposed as in olympiad problem.

### REFERENCES

- [1] Gradshteyn, I.S. and Ryzhik, I.M., *Table of Integrals, Series, and Products*, Sixth Edition, Alan Jeffrey, Editor, Daniel Zwillinger, Associate Editor, 2000
- [2] Remmert, R., *Classical Topics in Complex Function Theory*, Springer Verlag, 1998

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