

2013 John O'Bryan Mathematical Competition

February 28, 2013 10:00 AM - 12:00 PM

Directions: Do not write on the problems. All answers must be written legibly and

11. Find the sum of all distinct positive integral factors of 2013.

12. For all real numbers, define $a \otimes b = \frac{a^2 + 3b}{4a}$. If $a \otimes 17 = 5$, find the sum of all possible value(s) of a .

Name: _____ ANSWERS _____

Team Code: _____

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