

2013 John O'Bryan Mathematical Competition

February 2013

Directions: Do not write on the reverse side of this page. 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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