



USA Mathematical Talent Search

Round 3 Problems

Year 26 — Academic Year 2014–2015

www.usamts.org

Important information:

1. **You must show your work and prove your answers on all problems.** If you just send a numerical answer with no proof for a problem other than Problem 1, you will get no more than 1 point.
2. Put your name and USAMTS ID# on **every page you submit.**
3. No single page should contain solutions to more than one problem. Every solution you submit should begin on a new page, and you should only submit work on one side of each piece of paper.
4. Submit your solutions by January 19, 2015, via one (and only one!) of the methods below:
 - (a) Web: Log on to www.usamts.org to upload a PDF file containing your solutions. (No other file type will be accepted.)
Deadline: 3 PM Eastern / Noon Pacific on January 19
 - (b) Mail: **USAMTS**
PO Box 4499
New York, NY 10163
(Solutions must be postmarked on or before January 19.)
5. Once you send in your solutions, that submission is final. You cannot resubmit solutions.
6. Confirm that your email address in your USAMTS Profile is correct. You can do so by logging onto www.usamts.org and visiting the “My USAMTS” pages.
7. Round 3 results will be posted at www.usamts.org when available. To see your results, log on to the USAMTS website, then go to “My USAMTS”. You will also receive an email when your scores and comments are available (provided that you did item #6 above).

These are only part of the complete rules.
Please read the entire rules on www.usamts.org.

