

## PROBLEM OF THE MONTH

DEPARTMENT OF MATHEMTICS  
ELMHURST UNIVERSITY  
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**Problem.** There are 6 students taking a test consisting of 6 questions. Each correct answer is worth 2 points, and each incorrect answer deducts 1 point. If the total points deducted exceed the total points earned, the score is set to 0.

- (1) Show that there are 2 students who have the same score.
- (2) Find an example with 5 students who all have different scores.

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Scan the following QR code for submission instructions.

