

# CURRICULUM, PEDAGOGY AND BEYOND



THE MATHEMATICAL  
ASSOCIATION OF VICTORIA

**MAV24**  
CONFERENCE

# Using the TI-Nspire Notes page for open-ended assessments

# Introduction

## About us:

- James Lam and Felicity Hung
- Mathematics teachers at Suzanne Cory High School



# Introduction

## School context:

- Select-entry government school
- 90-95% of VCE students choose to study Methods
- Each year level:  
9 – 10 classes of Methods  
~20-24 students per class

**Difficult to assess and moderate student responses in a cohort of 200+ students.**





# Workshop Objectives

- Introduce the Notes page on TI-Nspire as a page which calculates dynamically according to user inputs/adjustments.
- Advocate for open-ended assessments to allow students to demonstrate creativity in problem-solving while keeping teacher workload at reasonable levels.

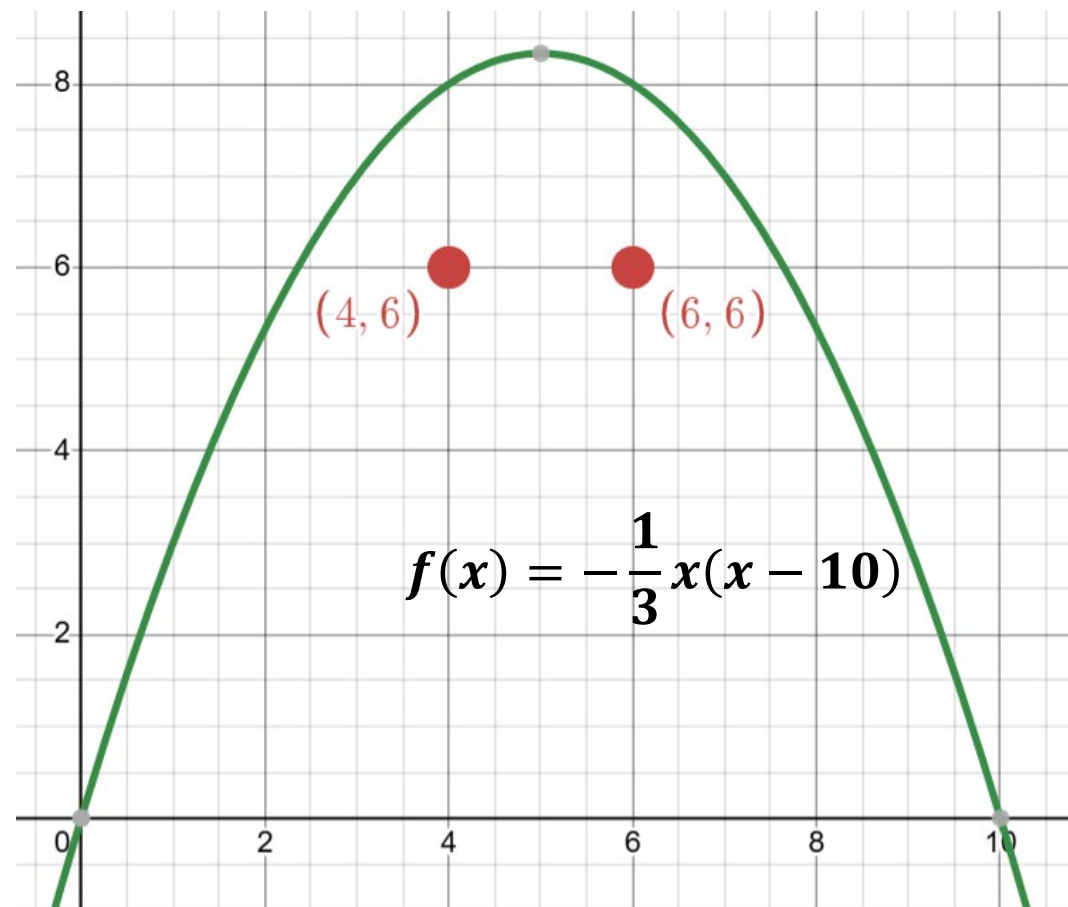
# Possible student response:

Suppose a question required:

- A parabola
- $f(x) > 6$  where  $x \in \{4, 6\}$
- Have a vertex below the line  $y = 9$ .

Is this the only parabola that works?

Probably not, we need a way to mark this efficiently.





# Coming up:

- Tutorial on setting up a teacher-friendly CAS Notes page for correcting student work.
- Trying out your own CAS Notes page for an example marking scheme. (Provided in the QR code link) and/or:
- Discussion and sharing of useful tricks on the CAS Notes.

## Event App



### App Download Instructions

Step 1: Download the App 'Arinex One' from the App Store or Google Play



App Store



Google Play

Step 2: Enter Event Code: **mav**

Step 3: Enter the email you registered with



Step 4: Enter the Passcode you receive via email and click 'Verify'. Please be sure to check your Junk Mail for the email, or see the Registration Desk if you require further assistance.

# Be in it to WIN!



## A02 - (Year 1 to Year 6) Supporting High Potential and Gifted Learners in Mathematics

Pedagogy

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### Speaker



**Dr Chrissy Monteleone**  
ACU