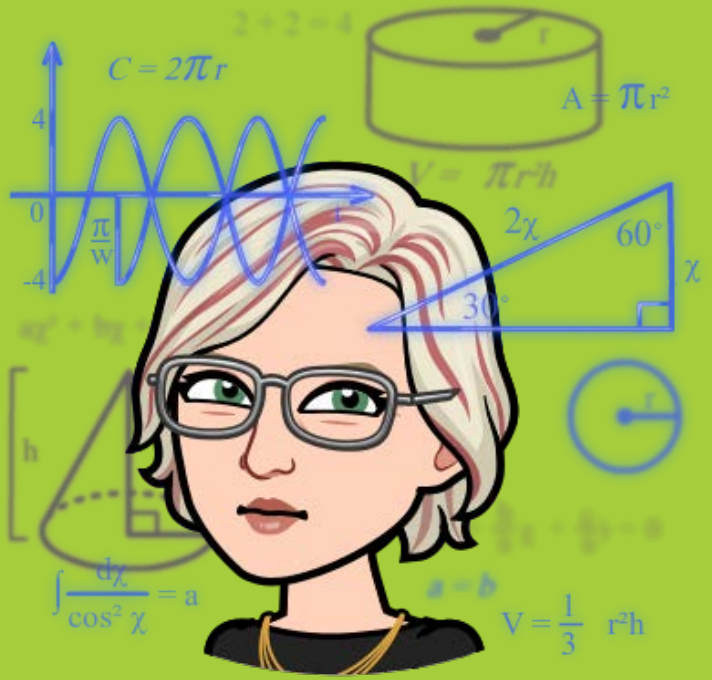
EquatIO
Digital maths on your device.

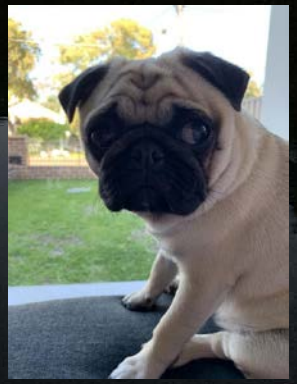
Round Table Conference Texthelp

Hello,

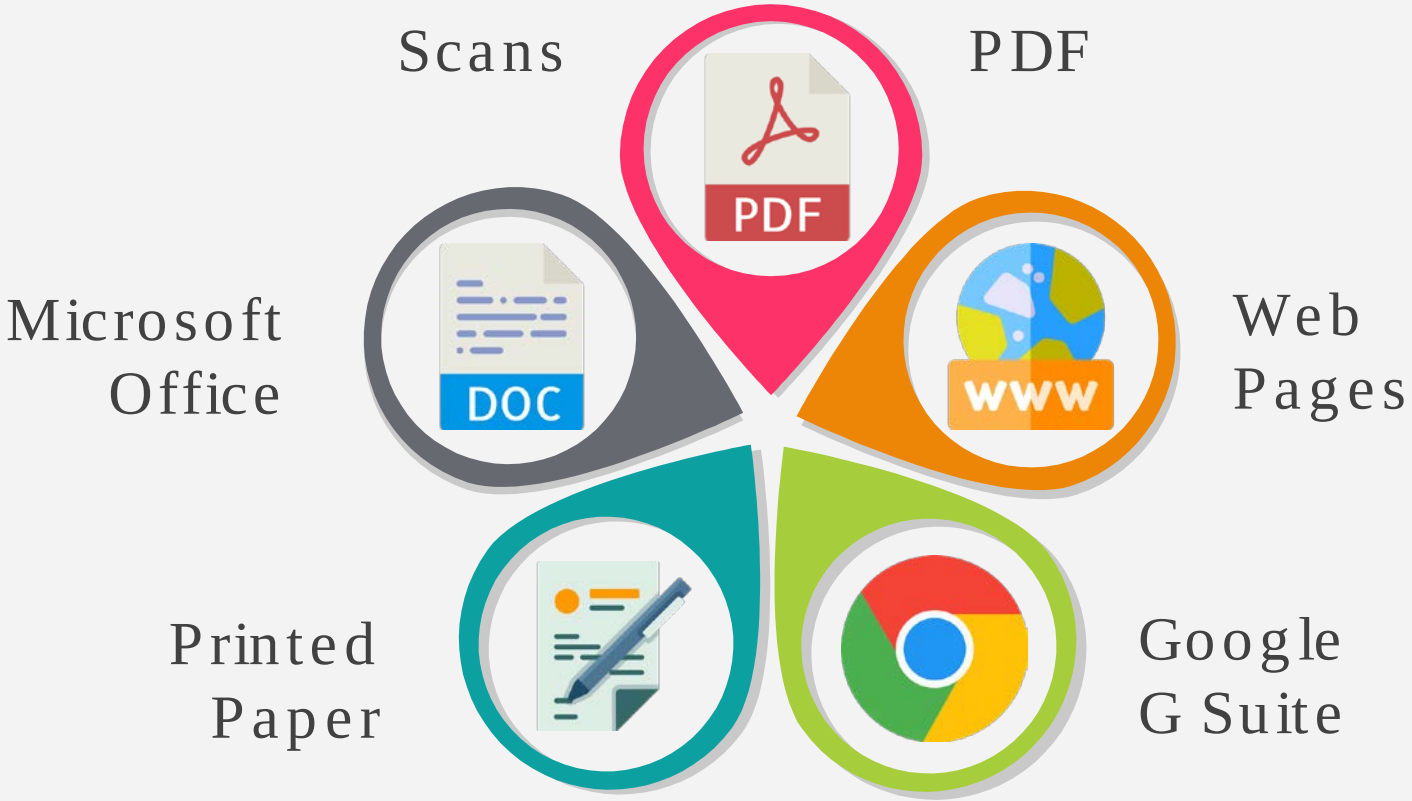
I’m Fiona



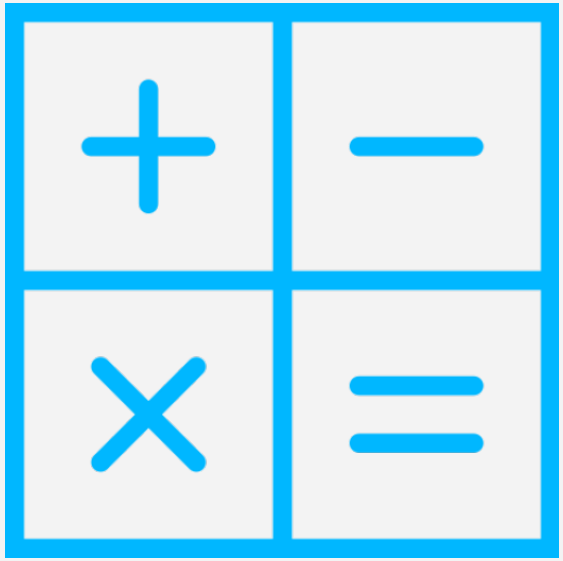
Learning and Teaching Specialist
f.thomas@texthelp.com
@fionamci



What can technology make more accessible?



Language

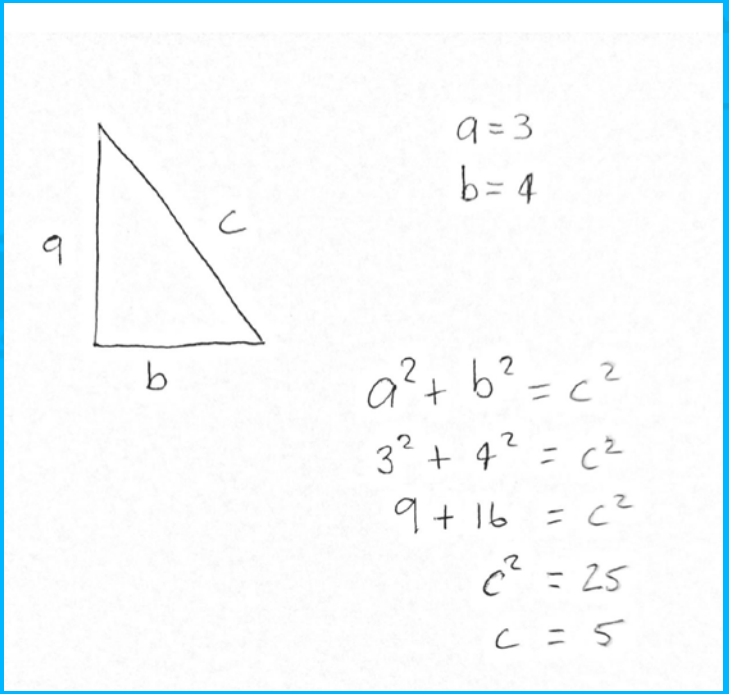


Maths

Four Key Principles - POUR

ΣquatIO®

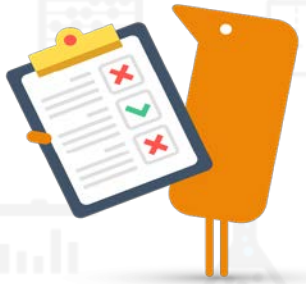
An intuitive toolbar enabling maths to be digital and accessible.
Providing an opportunity to engage, explore, express and assess.



pen & paper and digital?

EquatIO's "4 C's of Maths"

- Creation
- Consumption
- Collaboration
- Conversion (Production)



create & consume maths

empower students to communicate, create and consume maths in the method they prefer!

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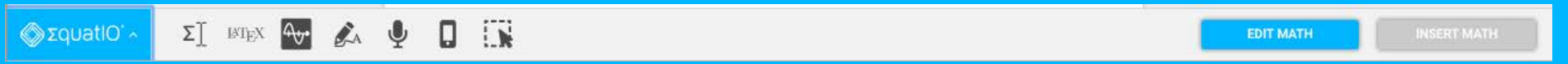
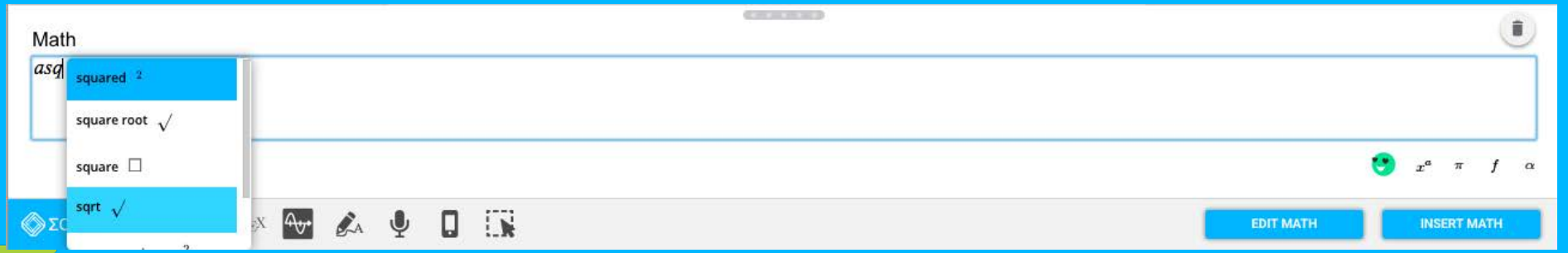

EquatIO
EDIT MATH
INSERT MATH


Math
asq
squared
square root
square
sqrt
EDIT MATH
INSERT MATH

Make maths digital and accessible

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Input with

- handwriting
- typing
- Speech
- LaTeX (maths language)
- any mobile device

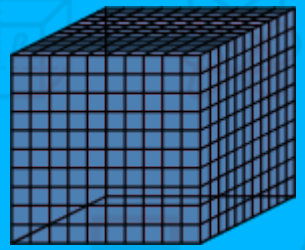
Make maths digital and accessible

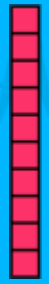
- Smart prediction and equation library
- Integrated graphing
- Maths workspaces with manipulatives
- PC, Mac, Chrome, PDF, Web and Paper support

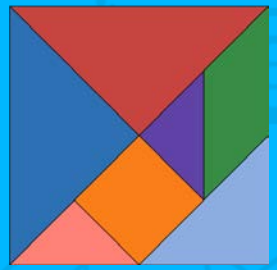
Collaborate during maths

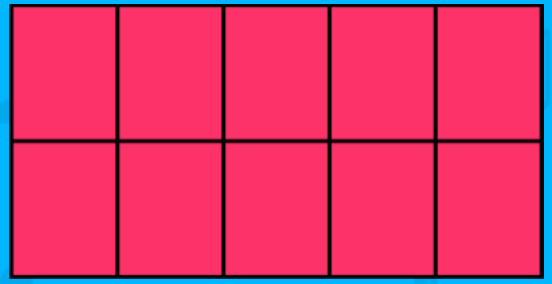
empower students to communicate their thought process with teachers & peers in the method they prefer!

Mathspace Manipulatives









Conversion of inaccessible maths

empower students by providing accessible maths to ensure their participation in all maths tasks...

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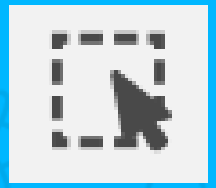
Screenshot Reader

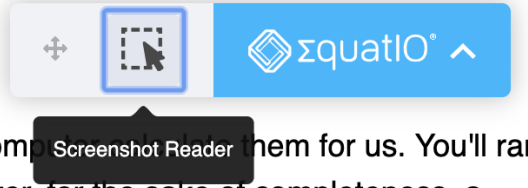
(OCR for Math)



Screen Capture

(MathML output)

Pearson Correlation - Formula



If we want to inspect correlations, we'll have a comp[illegible]hem for us. You'll rarely (probably never) need the actual formula. However, for the sake of completeness, a Pearson correlation between variables X and Y is calculated by

$$r_{XY} = \frac{\sum_{i=1}^{n}(X_i - \overline{X})(Y_i - \overline{Y})}{\sqrt{\sum_{i=1}^{n}(X_i - \overline{X})^2}\sqrt{\sum_{i=1}^{n}(Y_i - \overline{Y})^2}}$$

The formula basically comes down to dividing the covariance by the product of the standard deviations. Since a coefficient is a number divided by some other number our formula shows why we speak of a correlation *coefficient*.

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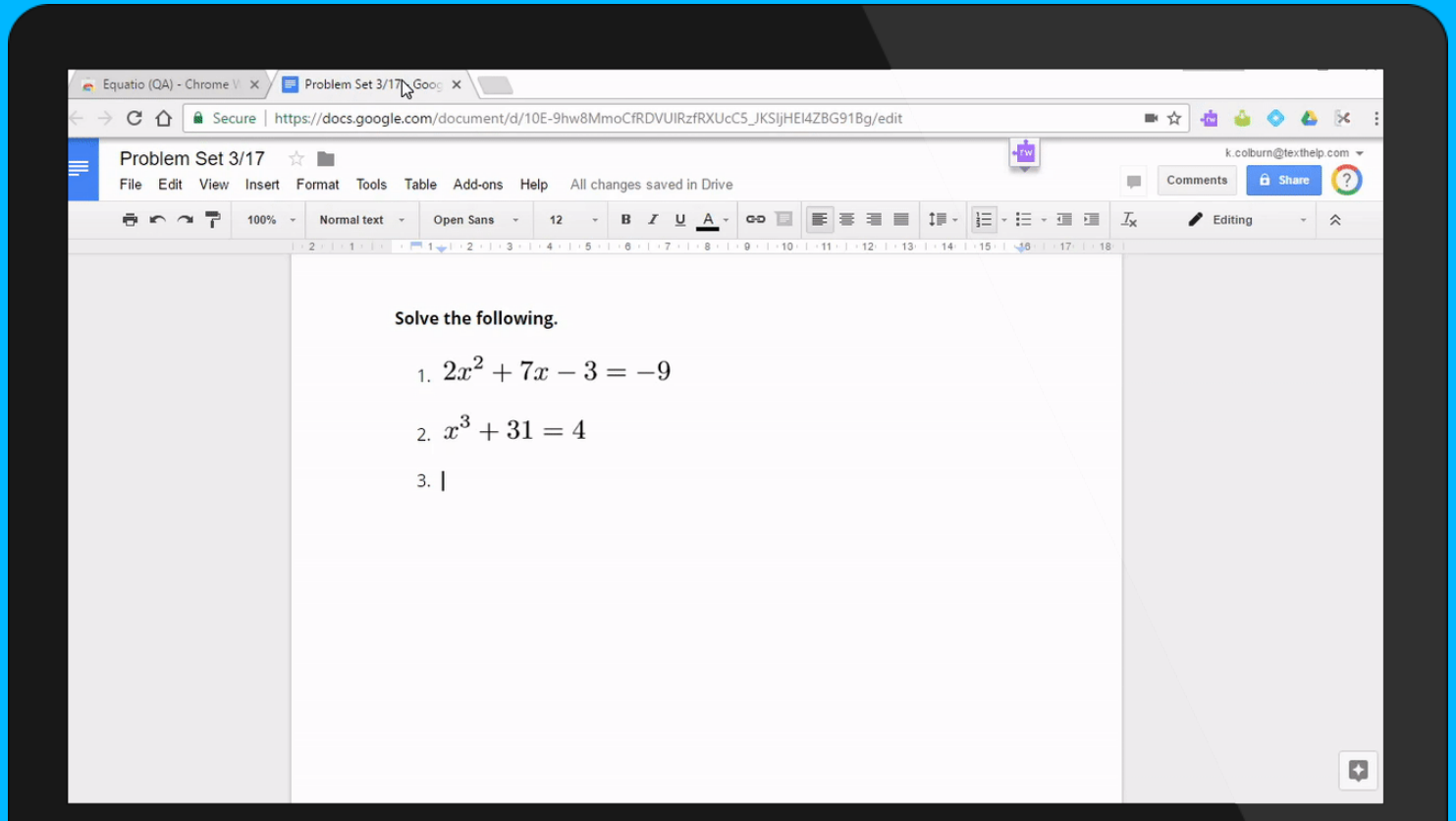
EquatIO™

make math digital

Integrate


Equatio (QA) - Chrome
Problem Set 3/17 - Goog
Secure | https://docs.google.com/document/d/10E-9hw8MmoCfRDVUIRzfRXUcC5_JKSIjHEI4ZBG91Bg/edit
Problem Set 3/17
File Edit View Insert Format Tools Table Add-ons Help All changes saved in Drive
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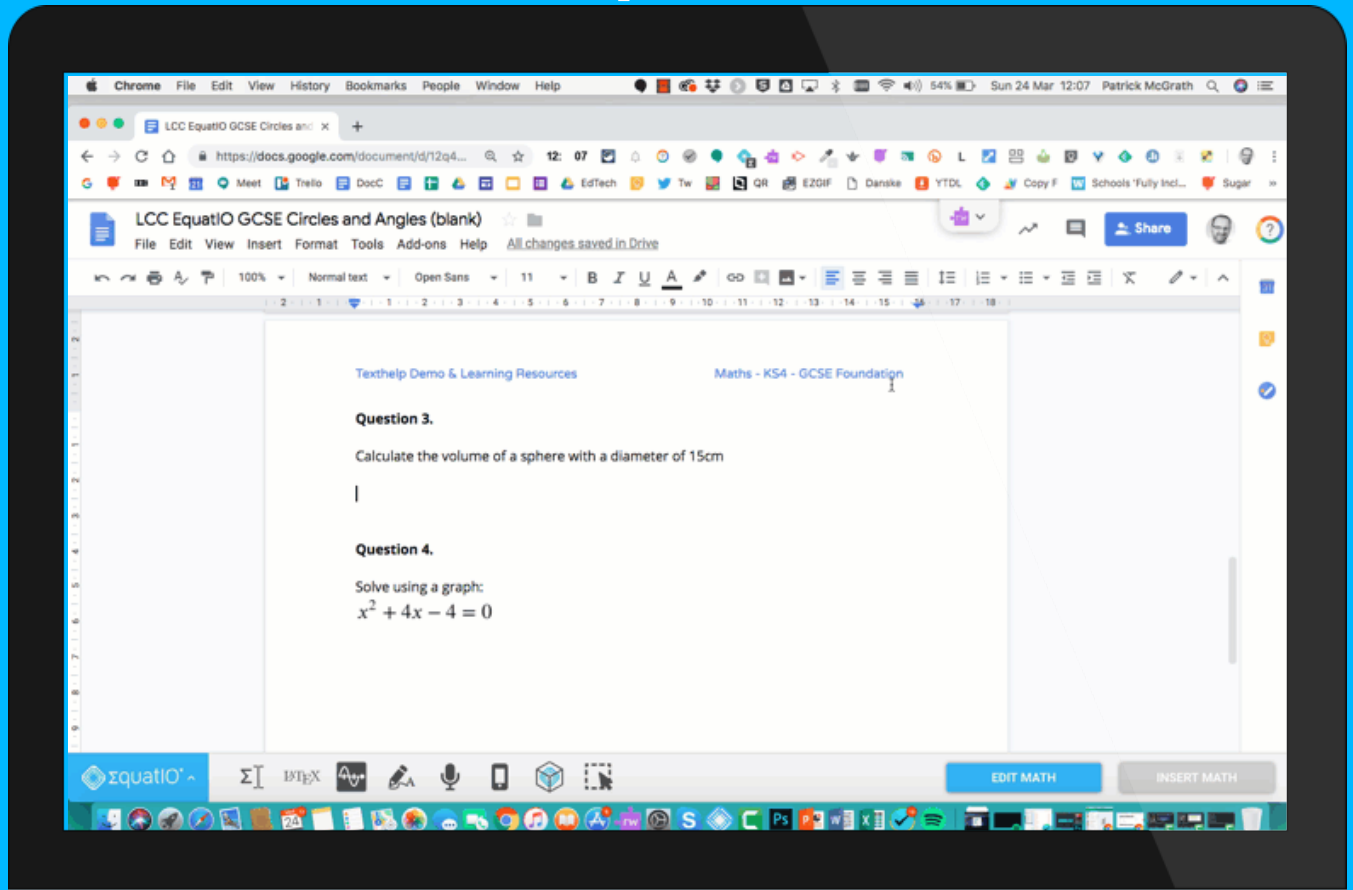
Editing
Solve the following.
1. $2x^2 + 7x - 3 = -9$
2. $x^3 + 31 = 4$
3.

Express


LCC EquatIO GCSE Circles and Angles (blank)
File Edit View Insert Format Tools Add-ons Help
All changes saved in Drive
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Maths - KS4 - GCSE Foundation
Question 3.
Calculate the volume of a sphere with a diameter of 15cm
Question 4.
Solve using a graph:
$x^2 + 4x - 4 = 0$
EDIT MATH
INSERT MATH

Access

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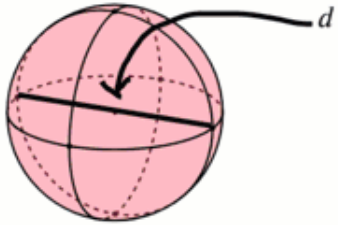
Maths - KS4 - GCSE Foundation

Question 3.

Calculate the volume of a sphere with a diameter of 15cm



$d = 15cm$

$$V = \frac{4}{3}\pi r^3$$

$$r = 15 \div 2$$

$$r = 7.5$$

$$V = \frac{4}{3} \times \pi \times 7.5^3$$

$$4$$

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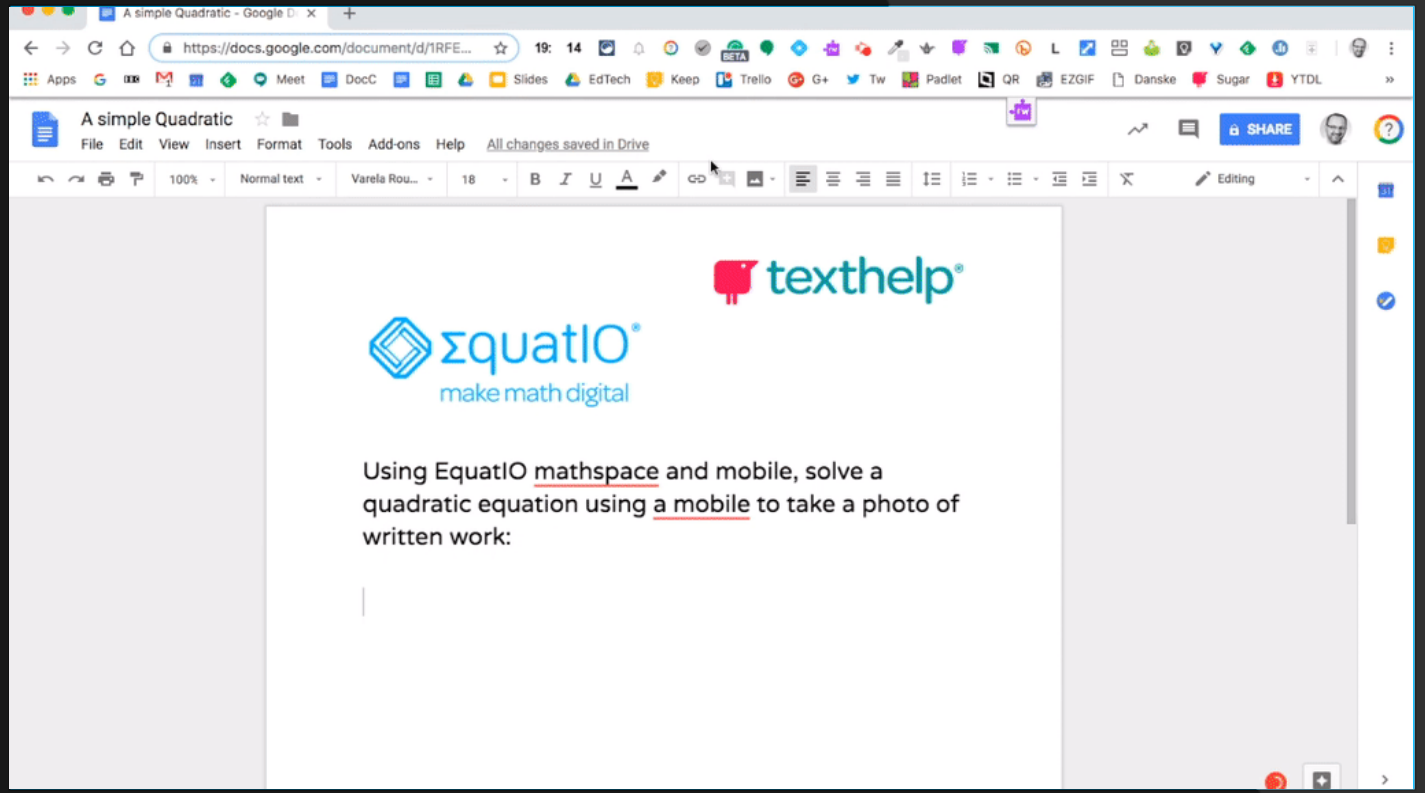

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Reach out. We'll help.

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asiapac@texthelp.com

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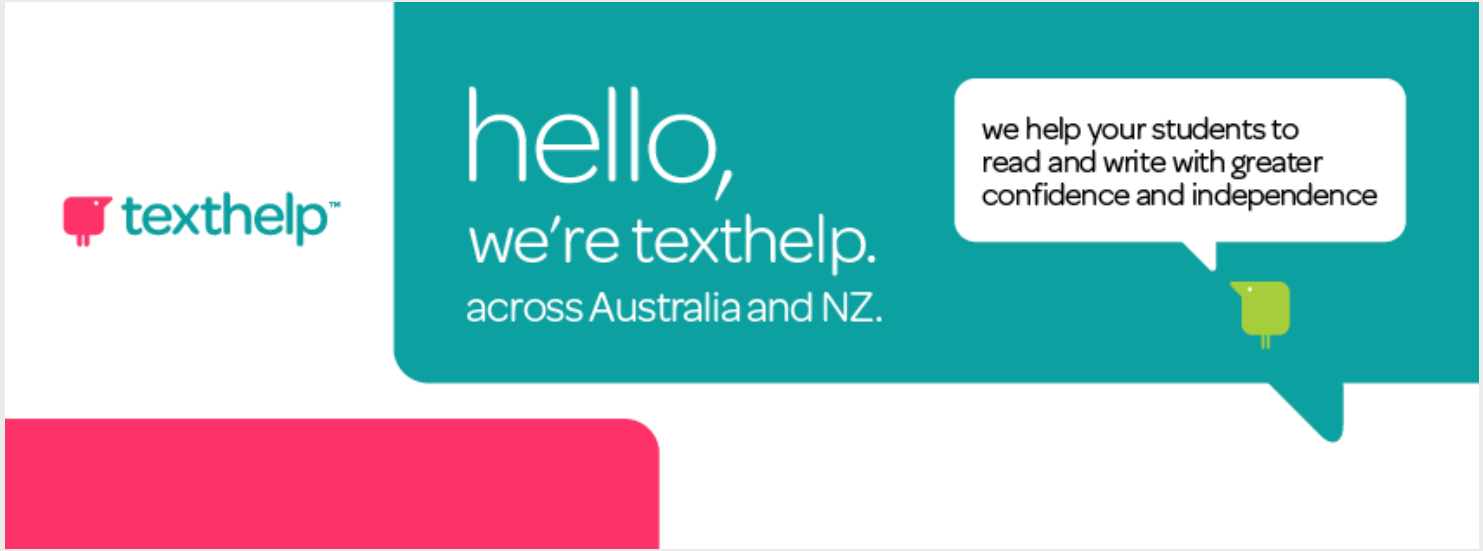


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thank you!