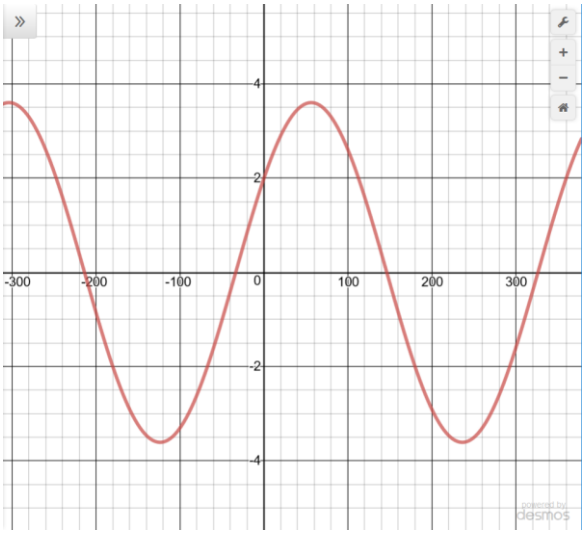
Trigonometry 2 (of 3)*

"Two *sines* of the same *coin*"

… continues from Trigonometry 1 (of 3) Task



(continues from Trigonometry Task 1/3)

Student A: Yep! And that gives me all the info I wanted! The equation is:

$$y = 3.6\sin(x + 34)$$

Student B: What? Why sine? It is a cosine function! Look:

$$y = 3.6\cos(x - 60)$$

Questions:

a. What issues arise with this new information?

b. How would you address these issues with student A, student B and the whole class?

…to be continued to Trigonometry 3 (of 3) Task

*Inspired by the doctoral research of Lina Kayali

This is a Task developed by the MathTASK 2016-17 team. Let us know whether it is useful and how we can improve it at @mathtask or email Irene Biza at i.biza@uea.ac.uk. For more tasks, visit MathTASK.