

MA 1024 Conference 1

1. Discuss Conference Options

- a. Examples by the TA
- b. Group-Work
- c. Office Hours

2. Homework Examples

3. Breakout Rooms Experiment

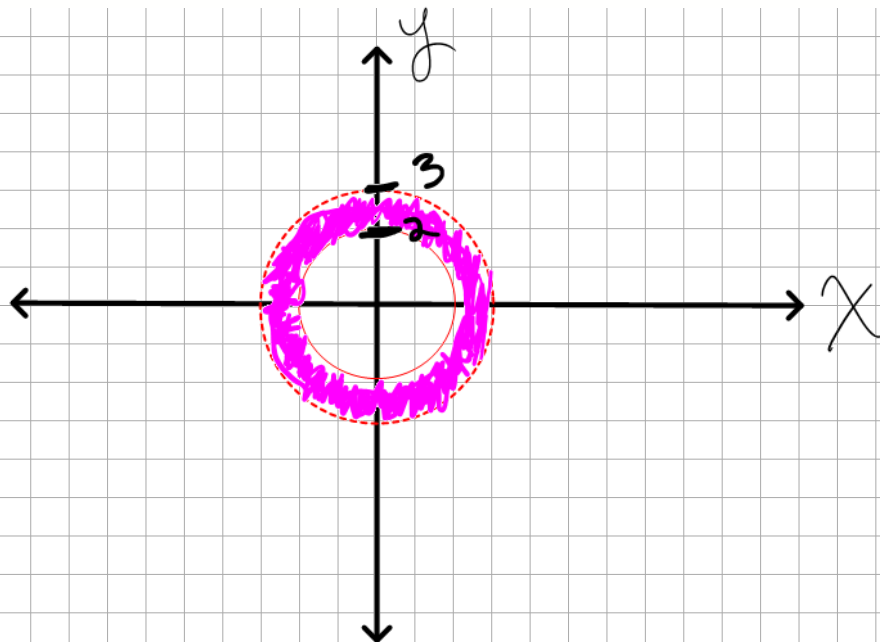
4. Survey(s)

- a. Office Hours Preferences
- b. Conference Activities
- c. Technical Questions
- d. Misc.

Example 1

Find and sketch a graph of the (natural) domain of the function

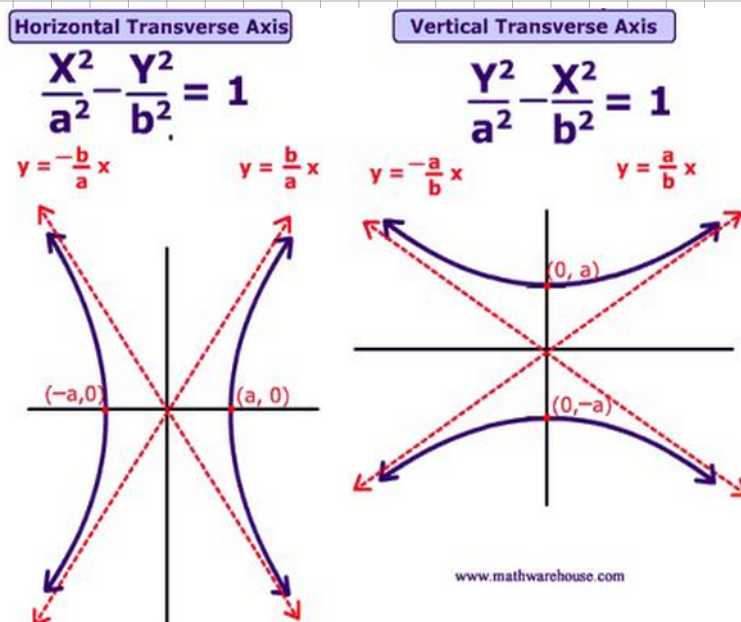
$$f(x, y) = \ln(\sqrt{5} - \sqrt{x^2 + y^2 - 4})$$



Example 2

Consider the level surface given by $x^2 - y^2 + z^2 = 2$. Make a plot for:

- (a) the slice $x = 2$.
- (b) the slice $x = 0$.





Group Work

- (a). Describe the domain of the function $f(x, y) = \sqrt{x} + \sqrt{y}$.
- (b). Test out the whiteboard feature and your own microphone.
- (c). Use the 'Ask for Help' button to summon the TA.

