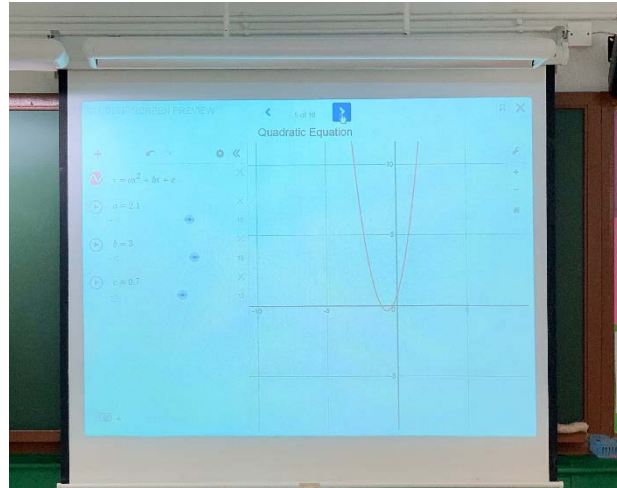
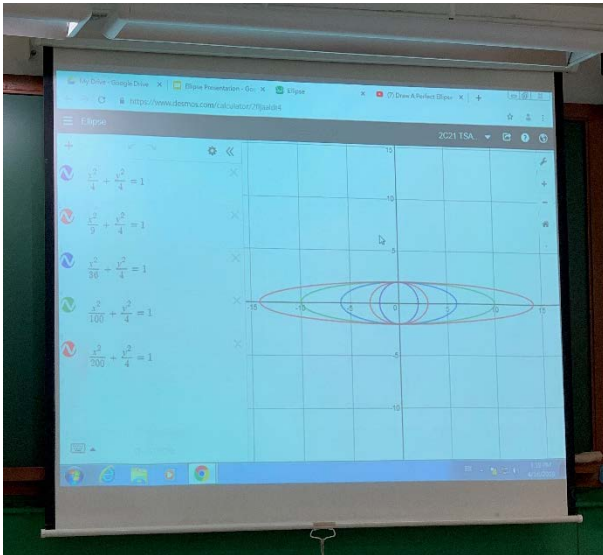


Students present their findings using Desmos.



Students present their findings using PowerPoint.

Why do we need to complete the square?

By completing the square, we can find out some information about the equation.

For a circle, we can find out the centre and the radius by completing square:

$$(x-1)^2 + (y-2)^2 = 5^2$$

centre: (1,2) radius: 5