Graphs in the Next Dimension Merit Grid Name: _____ Class: _____

Task 1 - Familiarisation	1 = correct explanations for [X], [Y] and [Z]	
Task 3 – Slanting Planes	1 = commented on a similarity or a difference 2 = commented on a similarity and a difference	
Task 4 - Curving Planes	1 = clear explanation of the effect of varying k.	
Task 5 – Plane equations with x & y	1 = correct reason why z=x+y slants	
Task 5	1 = correct reason whether z=x+y goes through the origin, or not.	
Task 5	1 = one point of intersection of planes given 2 = five points of intersection of planes given	
Task 5	1 = commented on similarities or differences with 2D intersections	
Task 5	1 = prediction for what $z=x^2+y^2$ will look like 2 = correct prediction for what $z=x^2+y^2$ will look like	
Task 6 – More Challenges	1 = one problem solved 2 = two problems solved 3 = three problems solved	
Task 6	1 = comments on one of the new functions 2 = comments on at least two of the new functions	
Overall Presentation and Clarity	0 = working poorly laid out, with some sections illegible 1 = easily readable on first viewing, with only a few accuracy issues 2 = excellent clarity and accuracy throughout.	

Comments on Performance with Task:

Total:_____/18