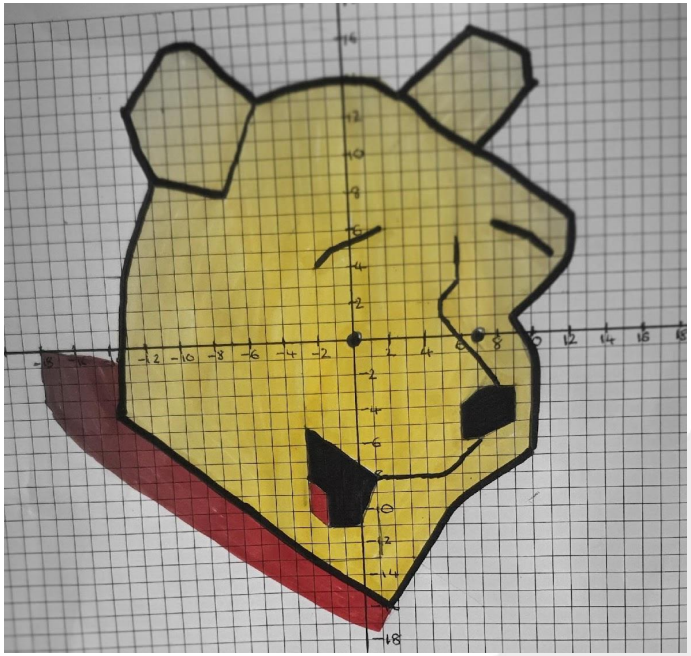
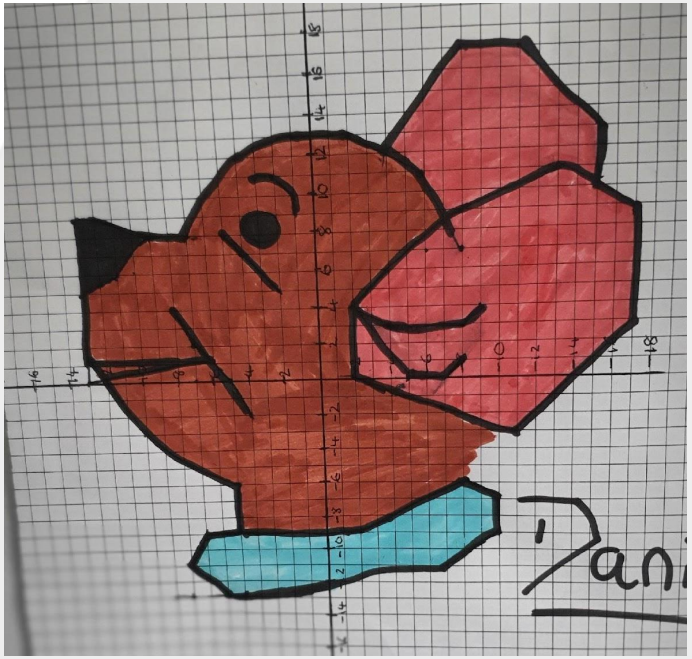
Progression in Mathematics at Hessle Academy

Coordinate Geometry

Year 7

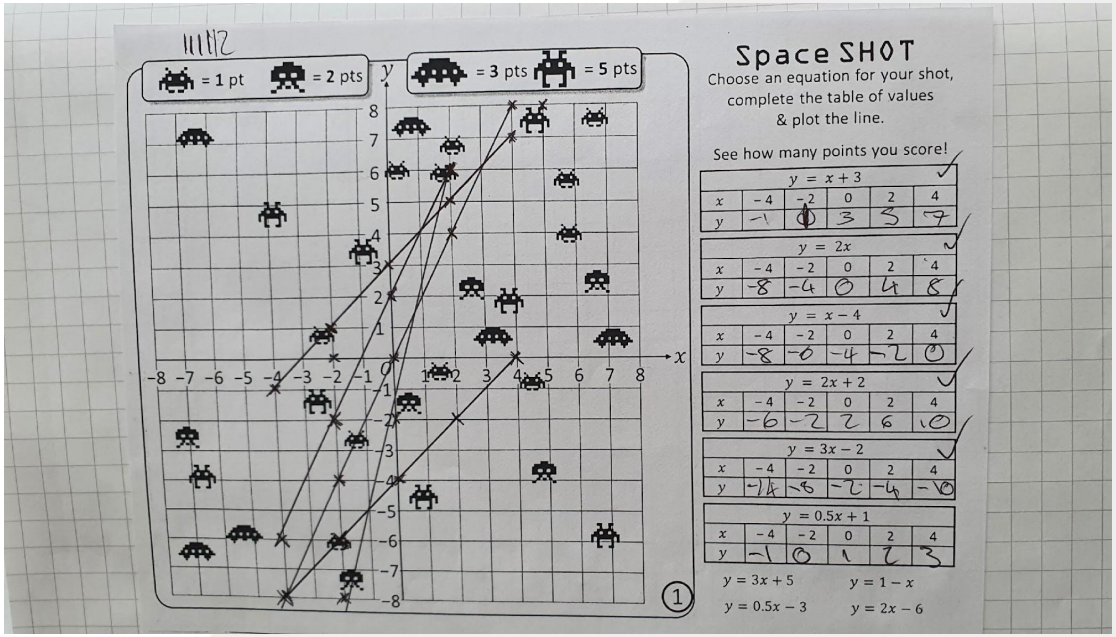
Learning Objective:
Plotting coordinates on 4 quadrants





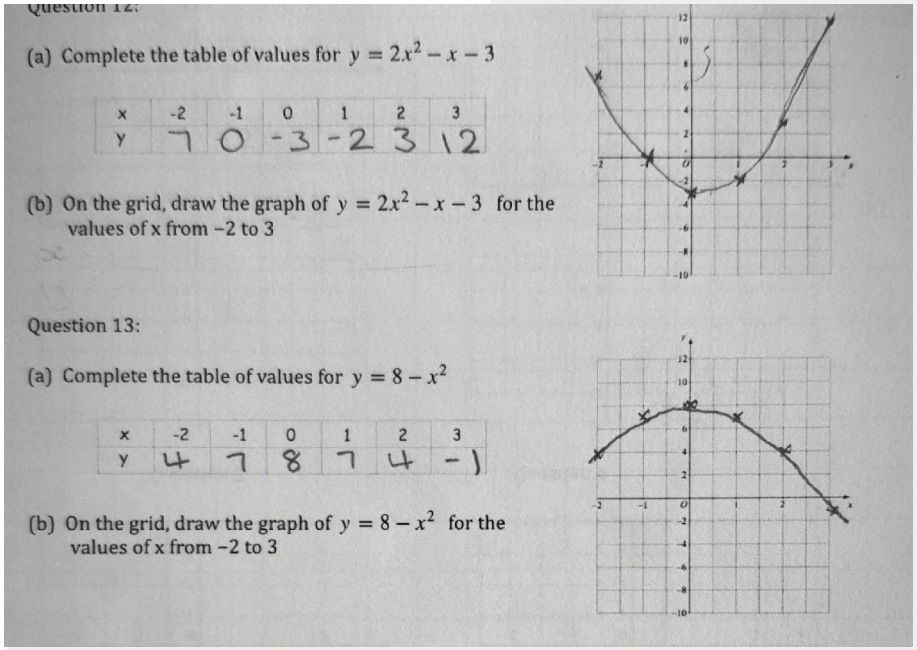
Year 8

Learning Objective:
Completing tables of values for linear graphs.



Year 9

Learning Objective:
Completing table of values for quadratic graphs.



Question 12:

(a) Complete the table of values for $y = 2x^2 - x - 3$

x	-2	-1	0	1	2	3
y	7	0	-3	-2	3	12

(b) On the grid, draw the graph of $y = 2x^2 - x - 3$ for the values of x from −2 to 3

Question 13:

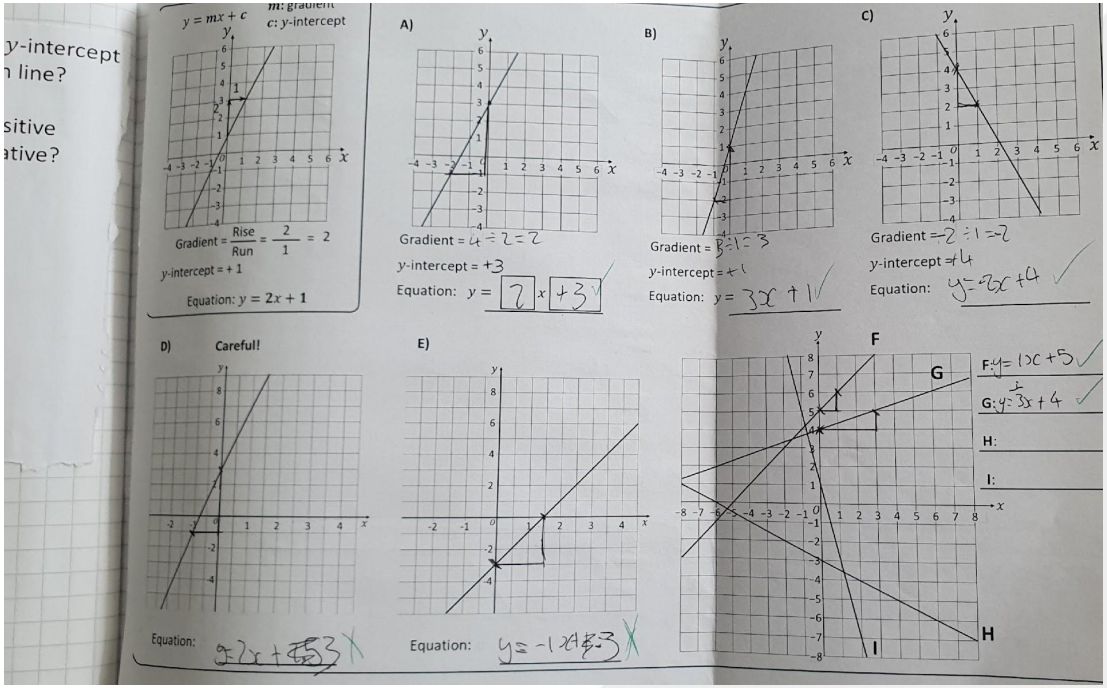
(a) Complete the table of values for $y = 8 - x^2$

x	-2	-1	0	1	2	3
y	4	7	8	7	4	-1

(b) On the grid, draw the graph of $y = 8 - x^2$ for the values of x from −2 to 3

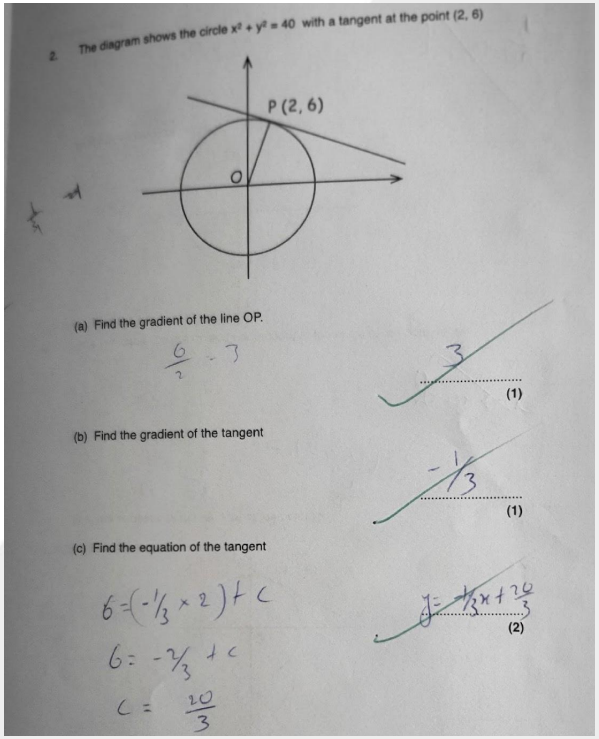
Year 10

Learning Objective:
Forming the equation y=mx+c



Year 11

Learning Objective:
Finding tangents and normal to linear graphs.



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