

**Pearson Edexcel Level 3  
GCE Mathematics 9MA0  
Practice Paper A  
Pure Mathematics**

**Time allowed: 2 hours**

**Centre:**

**Name:**

**Teacher:**

Question	Points	Score
1	4	
2	3	
3	5	
4	4	
5	7	
6	8	
7	8	
8	8	
9	9	
10	4	
11	10	
12	7	
13	12	
14	4	
15	7	
Total:	100	























11.

$$f(x) = |2x + 3| - 4, \quad x \in \mathbb{R}.$$

(a) Sketch the graph of  $y = f(x)$ , labelling its vertex and any points of intersection with the coordinate axes. [5]

(b) Find the coordinates of the points of intersection of  $y = |2x + 3| - 4$  and  $y = -\frac{1}{4}x + 2$ . [5]

Total: 10









