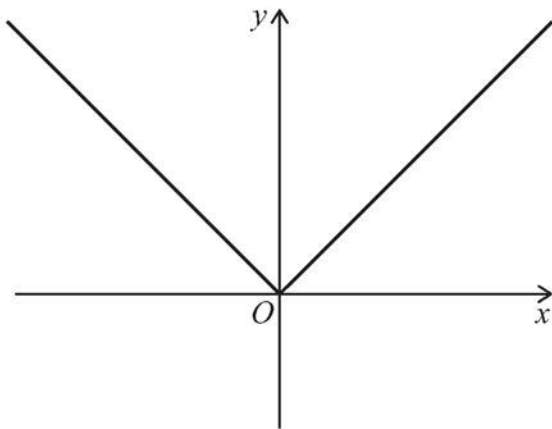**4** **Figure 1** shows the graph of $y = |2x|$

Figure 1

4 (a) On **Figure 1** add a sketch of the graph of

$$y = |3x - 6|$$

[2 marks]

4 (b) Find the coordinates of the points of intersection of the two graphs.

Fully justify your answer.

[4 marks]