- 1. Nov/2022/Paper\_9709\_31/No.1
  - (a) Sketch the graph of y = |2x + 1|.

[1]

	Solve the inequality $3x + 5 <  2x + 1 $ . [3]
(b)	Solve the inequality $3x + 5 <  2x + 1 $ . [3]
	<b>100</b>

Nov/2022/Paper_9709_32/No.2 The polynomial $2x^3 - x^2 + a$ , where $a$ is a constant, is denoted by $p(x)$ . It is given that $(2x + 3)$ is a factor of $p(x)$ .	
(a)	Find the value of a. [2]
	. 29
<b>(b)</b>	When $a$ has this value, solve the inequality $p(x) < 0$ . [4]
	100

**2.** Nov/2022/Paper\_9709\_32/No.2