(b)

2

## Notes:

## **Commonly Observed Responses:**

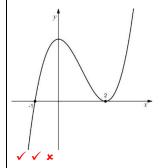
		<del>_</del>
(b)	•³ identify roots	• <sup>3</sup> "cubic" with roots at -1 and 2
	• <sup>4</sup> interpret point of inflection	•4 "cubic" with turning point at
	• <sup>5</sup> identify orientation and complete cubic curve	•5 cubic with maximum turning point at (2,0)
		2 2

## Notes:

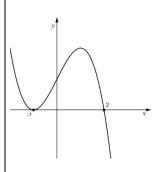
- 1. Note that the position of the minimum turning point of f'(x) is not being assessed.
- 2. Where a candidate has not drawn a cubic curve or their graph does not extend outwith  $-1 \le x \le 2$  award 0/3. However see Candidate D.
- 3. Do not penalise the appearance of an additional root outwith  $-1 \le x \le 2$  (on a cubic curve) at  $\bullet^3$ .

## **Commonly Observed Responses:**

Candidate A - -f'(x)



Candidate B



✓ x x

