

**Exercise 1**

Calc. : ✓

Consider the function  $f(x) = x^3 - 4x^2 + x + 2$ .

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| 1. Determine the coordinates of the turning points of $f(x)$ , giving your answer to 2 decimal places. | 4 marks |
| 2. Draw a table of signs.  | 2 marks |
| 3. Use the table of signs to determine the nature of the turning points.                               | 2 marks |