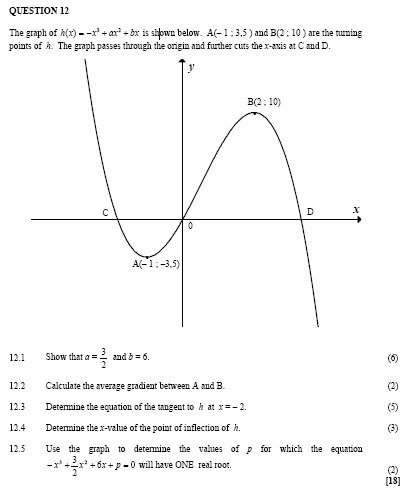
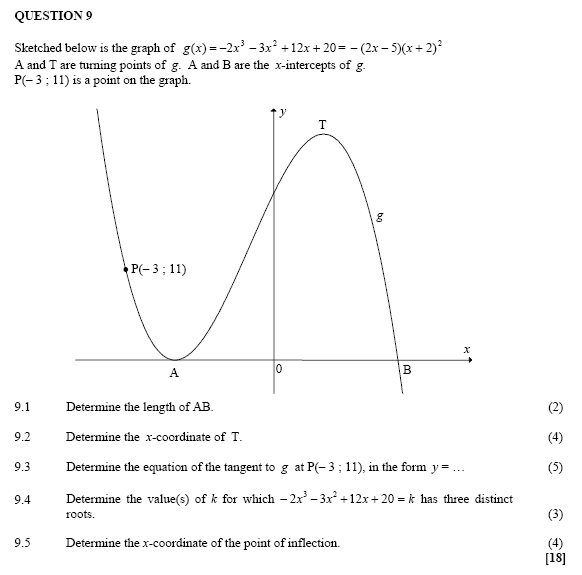
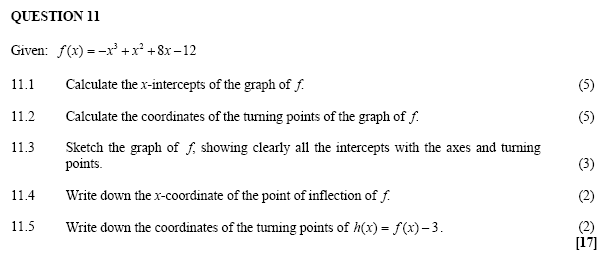
**CALCULUS APPLICATION (3RD DEGREE GRAPHS)**

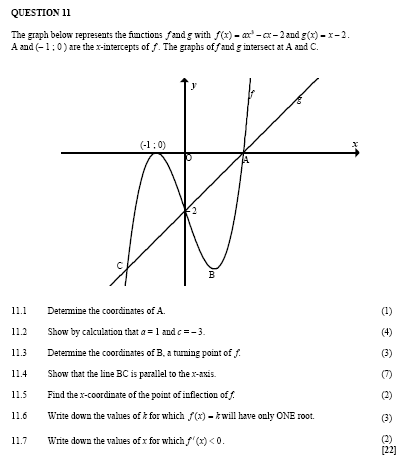
**NOVEMBER 2008 FEB/MARCH 2009**

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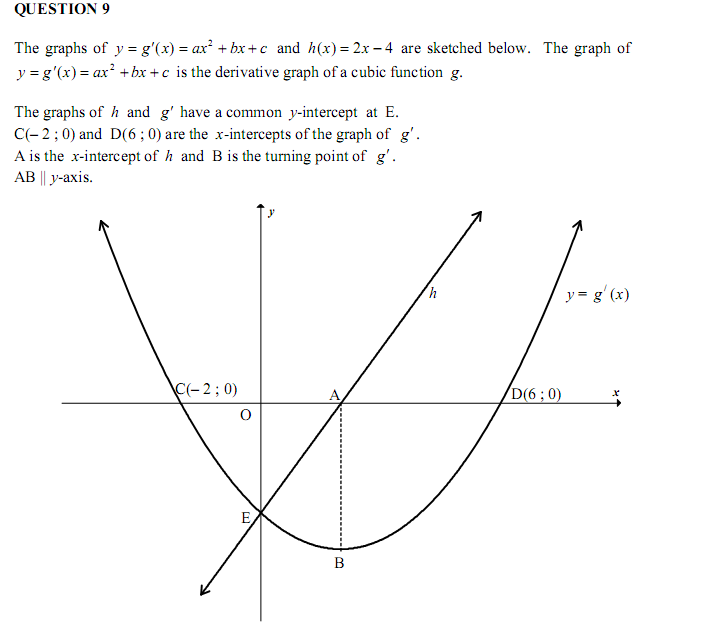
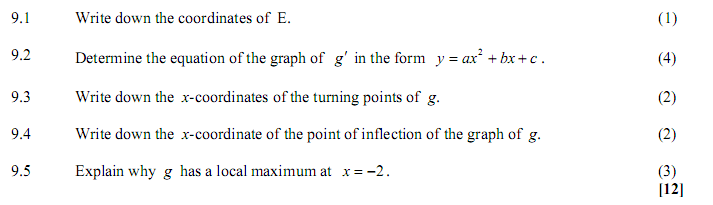
**NOVEMBER 2009**

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**FEB/MARCH 2010**

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**NOVEMBER 2010**

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**FEB/MARCH 2011**

**QUESTION 10**

|  |  |  |
| --- | --- | --- |
| Given: |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 10.1 | Calculate the *y*-intercept of *g*. |  | (1) |

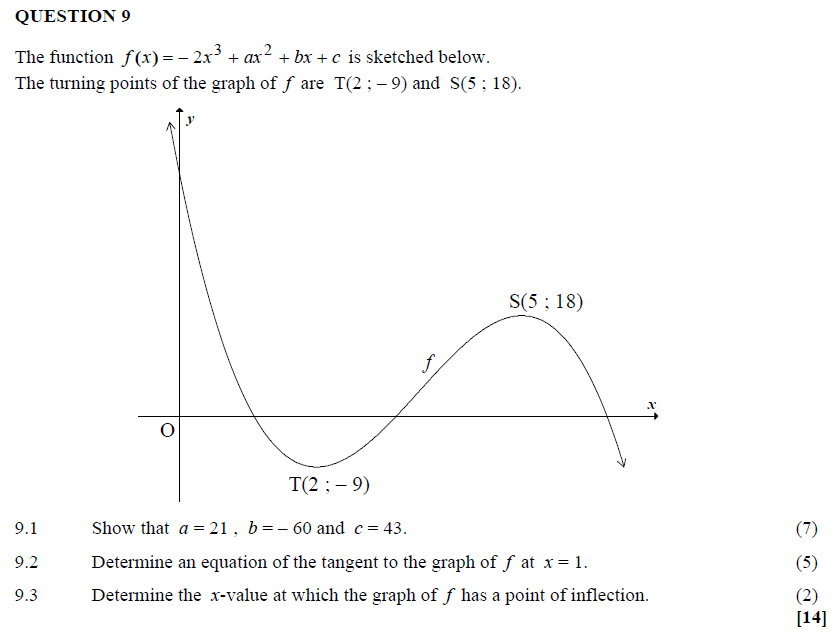
|  |  |  |  |
| --- | --- | --- | --- |
| 10.2 | Write down the *x*-intercepts of *g*. |  | (2) |

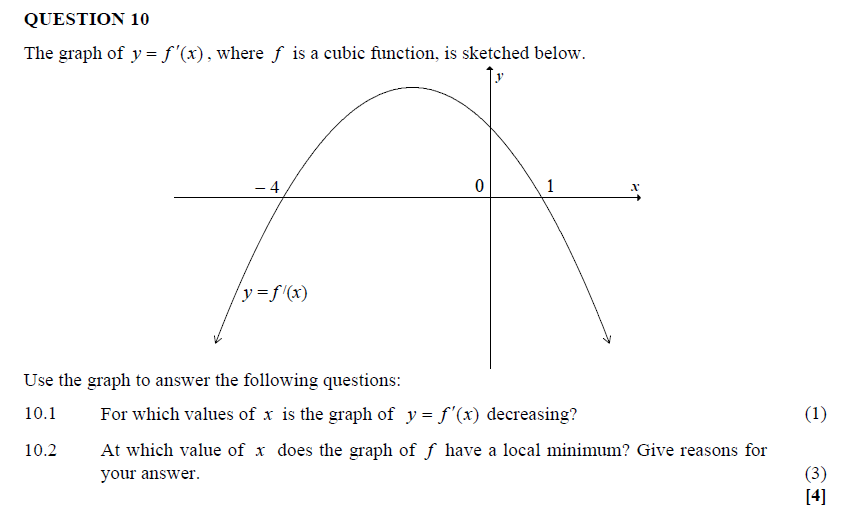
|  |  |  |  |
| --- | --- | --- | --- |
| 10.3 | Determine the turning points of *g*. |  | (6) |

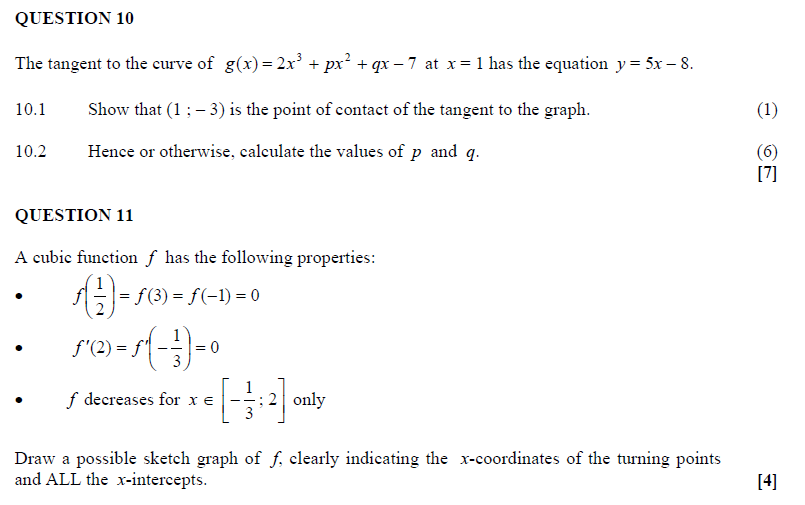
|  |  |  |  |
| --- | --- | --- | --- |
| 10.4 | Sketch the graph of *g* on DIAGRAM SHEET 2. |  | (4) |

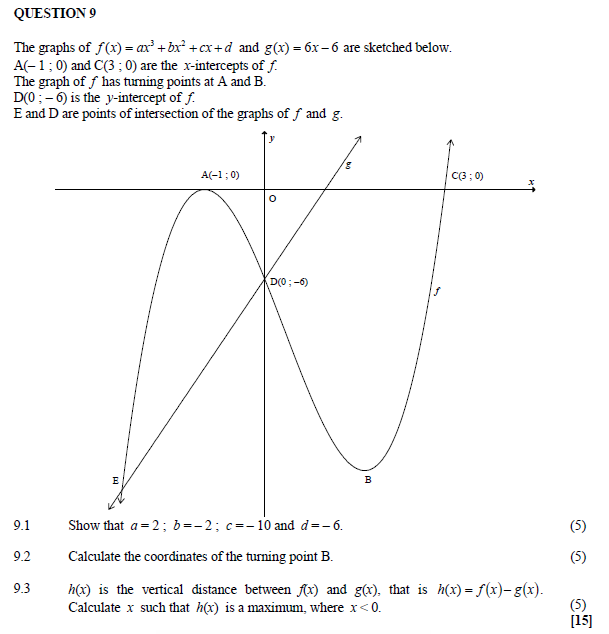
|  |  |  |  |
| --- | --- | --- | --- |
| 10.5 | For which values of *x* is |  | (3)  **[16]** |

**NOVEMBER 2011**

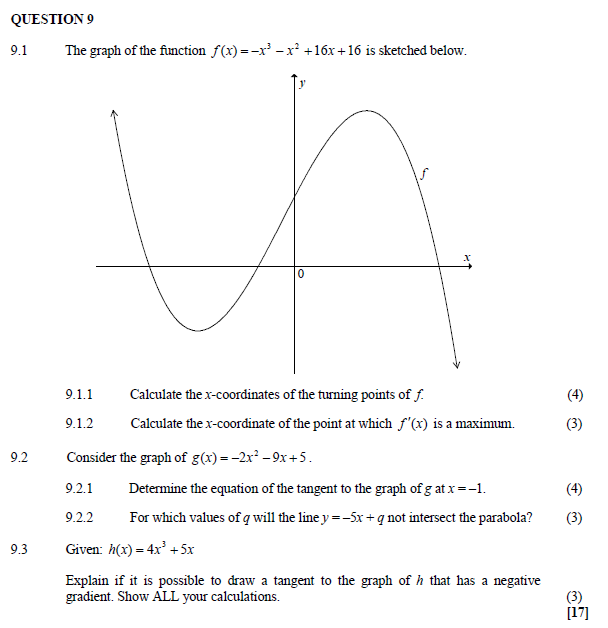
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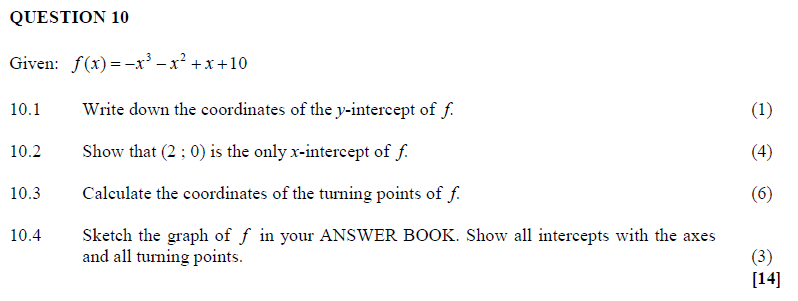
**FEBRUARY/MARCH 2012**

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**NOVEMBER 2012**

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**MARCH 2013**

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