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| **Algebra Revision** | | | | | **6** |
| **(a)** | **(b)** | **(c)** | **(d)** | **(e)** | |
| Make the subject of the formula | is inversely proportional to the cube root of . When  , . Find a formulae for in terms of . | Prove that  is even for all positive values of | The curve with equation  has a maximum point at . Write down the coordinates of the maximum point of the curve with equation:  (i)  (ii) | Find in its simplest form | |
| **(f)** | **(g)** | **(h)** | **(i)** | **(j)** | |
| Find | Solve | Solve | Here are the first five terms of a sequence:  Find the sum of the 6th to the 50th term of this sequence. | The curve has one stationary point. Find the coordinates of this point. | |

O the 50th