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| **Number and Algebra Proof Revision** | | | | | |
| **(a)** | **(b)** | | **(c)** | | **(d)** |
| Show that | Show that can be written in the form where is an integer to be found | | Show that | | Show that |
| **(e)** | **(f)** | | **(g)** | | **(h)** |
| Show that | Show that | | Show that    where and are integers to be found | | Show that the product of an even number and an odd number is always even. |
| **(i)** | | **(j)** | | **(k)** | |
| Show that the sum of three consecutive odd numbers is always a multiple of | | Show that can be written in the form , where and are integers to be found. | | Show that  is a multiple of for all integer values of | |