**Factorising Quadratics Homework**

|  |  |  |
| --- | --- | --- |
| **Literacy**FactorQuadraticSumProductCoefficient | **Research**Write a mathematical definition for every keyword in the literacy section. Make sure they are accurate and precise! | **Memory**http://t3.gstatic.com/images?q=tbn:ANd9GcTUoMRXrh7xt70_kDsRw8YHjlcbmnAS1lLLxfn01CB_ZBk-fdn1 |
| **Skills****Factorise the following expressions.****1) x2 + 6x + 8****2) x2 + 2x – 15** **3) x2 – 6x + 8****4) x2 – 8x + 15****5) x2 – x – 6** **6) x2 + 3x - 108****Don’t forget presentation standards. The working out IS the maths!****All questions are to be checked by expanding back out when you’ve got the answer!** | **Stretch** **7)****Factorise the following:****x2 – 9*****(Hint: This is the same as x2 + 0x – 9)*****8)****2x2 – 6x – 20*****(Hint: Take out a common factor FIRST)*** |