Woldgate College A Level Mathematics – C3 Chapter 1

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Teacher:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Total Mark:\_\_\_\_\_\_\_\_\_%

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| Question | 1 | 2 | 3 | 4 |
| Max Mark | 6 | 7 | 4 | 7 |
| Mark |  |  |  |  |
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| **1.** **1**(*a*) Simplify .**(3)** (*b*) Hence, or otherwise, express  –  as a single fraction in its simplest form.**(3)** |
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| **2. 2** Express **–**  as a single fraction in its simplest form. **(7)** |
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| **1.** **3** Express – as a single fraction in its simplest form.**(4)** |
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| **2.** **4** f(*x*) =  – , *x* > .(*a*) Show that f (*x*) = .**(7)** |
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