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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