**Using a Calculator - Advanced**

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| Name : | Class : | Date : |

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| **1)** Use your calculator to work out the value of the following, writing down all the figures on your calculator display.      a)       $\frac{1.68+43.8}{19.98-2.9}$          b)       $\frac{5.59×32.9}{15.97-15.84}$      | [2]   |
| **2)** Use your calculator to work out the value of the following, rounding your answer to 3 significant figures.             $\frac{7.59×75.9}{14.93-12.89}$      | [1]   |
| **3)** a)     Use your calculator to work out the value of            $6.3997^{2}$     Write down all the figures on your calculator display.     b)     Write your answer to part a) to 2 significant figures.      | [1]   |
| **4)** a)     Use your calculator to work out the value of            $\sqrt{4.6^{2}-2.1^{2}}$     Write down all the figures on your calculator display.     b)     Write your answer to part a) to 1 significant figure.      | [1]   |
| **5)** a)     Use your calculator to work out the value of            $2.782^{3}+\sqrt[3]{6859}$     Write down all the figures on your calculator display.     b)     Write your answer to part a) to 2 decimal places.      | [1]   |
| **6)** Use your calculator to work out the value of the following, rounding your answer to 1 decimal place.      a)       $7.3312^{2}$          b)       $\sqrt{\frac{7.4^{2}+3}{4-1.4}}$      | [2]   |
| **7)** Use your calculator to work out the value of the following, rounding your answer to 2 significant figures.             $\sqrt{9.3^{2}-8.8^{2}}$      | [1]   |
| **8)** Use your calculator to work out the value of the following, rounding your answer to 1 significant figure.             $7.677^{3}+\sqrt[3]{2197}$      | [1]   |

**Solutions for the assessment Using a Calculator - Advanced**

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| **1)**  a) 2.66276346604 |      b) 1414.7 |
| **2)** 282 | **3)** a) 40.95616009, b) 41 |
| **4)** a) 4.09267638594, b) 4 | **5)** a) 40.531355768, b) 40.53 |
| **6)**  a) 53.7 |      b) 4.7 |
| **7)** 3.0 | **8)** 500 |