**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)       $\frac{1.48+36.9}{18.19-9.11}$          b)       $\frac{0.59×78.6}{8.88-8.39}$      | [2]   |
| **2)** Use your calculator to work out the value of the following, rounding your answer to 3 significant figures.      a)       $\frac{2.99×77.1}{10.72-10.32}$          b)       $2.56^{3}+\sqrt[3]{4913}$      | [2]   |
| **3)** a)     Use your calculator to work out the value of            $9.6273^{2}$     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            $\sqrt{9.4^{2}-7.6^{2}}$     Write down all the figures on your calculator display.     b)     Write your answer to part a) to 2 significant figures.      | [1]   |
| **5)** a)     Use your calculator to work out the value of            $5.139^{3}+\sqrt[3]{2197}$     Write down all the figures on your calculator display.     b)     Write your answer to part a) to 3 significant figures.      | [1]   |
| **6)** Use your calculator to work out the value of the following, rounding your answer to 2 decimal places.             $3.5927^{2}$      | [1]   |
| **7)** Use your calculator to work out the value of the following, rounding your answer to 1 decimal place.             $\sqrt{\frac{1.9×9.1^{2}}{9.4+3.8}}$      | [1]   |
| **8)** Use your calculator to work out the value of the following, rounding your answer to 1 significant figure.             $\sqrt{8.1^{2}-7.1^{2}}$      | [1]   |

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

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| **1)**  a) 4.2268722467 |      b) 94.6408163265 |
| **2)**  a) 576 |      b) 33.8 |
| **3)** a) 92.68490529, b) 93 | **4)** a) 5.53172667438, b) 5.5 |
| **5)** a) 148.717500619, b) 149 | **6)** 12.91 |
| **7)** 3.5 | **8)** 4 |