

# Using a Calculator - Advanced

Name:	Class:	Date:
		Mark / 10 %

1) Use your calculator to work out the value of the following, writing down all the figures on your calculator display.

a)  $\frac{8.21 + 47.4}{4.95 - 2.5}$

b)  $\frac{2.35 \times 53.9}{11.33 - 7.43}$

[2]

2) Use your calculator to work out the value of the following, rounding your answer to 2 significant figures.

$$\frac{0.25 \times 79.7}{13.27 - 10.94}$$

[1]

3) a) Use your calculator to work out the value of

$$8.8313^2$$

[1]

Write down all the figures on your calculator display.

b) Write your answer to part a) to 2 significant figures.

4) a) Use your calculator to work out the value of

$$\sqrt{8.5^2 - 7.7^2}$$

[1]

Write down all the figures on your calculator display.

b) Write your answer to part a) to 2 decimal places.

5) a) Use your calculator to work out the value of

$$9.721^3 + \sqrt[3]{3375}$$

[1]

Write down all the figures on your calculator display.

b) Write your answer to part a) to 2 significant figures.

6) Use your calculator to work out the value of the following, rounding your answer to 1 decimal place.

$$5.8861^2$$

[1]

7) Use your calculator to work out the value of the following, rounding your answer to 2 decimal places.

$$\sqrt{\frac{9.3 \times 7.5^2}{8.8+6.6}}$$

[1]

8) Use your calculator to work out the value of the following, rounding your answer to 3 significant figures.

a)  $\sqrt{2.8^2 - 1.7^2}$

b)  $3.929^3 + \sqrt[3]{2744}$

[2]

## Solutions for the assessment Using a Calculator - Advanced

1) a) 27.5569387755

b) 32.4782051282

2) 8.6

3) a) 77.99185969, b) 78

4) a) 3.6, b) 3.6

5) a) 933.613512361, b) 930

6) 34.6

7) 5.83

8) a) 2.22

b) 74.7