



## Using a Calculator Exam Practice

Q1. Find  $1.6^2 + 14.7^3$ , writing down all the figures on your calculator display.

Answer: \_\_\_\_\_  
(1 mark)

Q2. Evaluate to 2 decimal places:  $0.06^4 + \sqrt{43}$

Answer: \_\_\_\_\_  
(2 marks)



Q3. Find the value of  $10\cos(40)$  correct to 1 decimal place.

Answer: \_\_\_\_\_  
(2 marks)

Q4. Find the value of  $\frac{\sin(50)+\cos(50)}{\sqrt{0.092}}$  correct to 2 decimal places

Answer: \_\_\_\_\_  
(2 marks)



Q5. What is the value  $20\cos(35)\sin(38)$  to 1 decimal place?

Answer: \_\_\_\_\_  
(2 marks)

Q6. Evaluate  $12^{\sqrt{5.6}}$ . Give your answer correct to 3 significant figures.

Answer: \_\_\_\_\_  
(2 marks)



Q7. Find the value of  $\frac{13.25}{\sqrt{93.247}} + \frac{24}{\tan(2.1)}$  correct to 2 decimal places

Answer: \_\_\_\_\_  
(2 marks)

Q8. a) Write down all the figures on your calculator display

$$\sin(40) - \frac{\sqrt{3.26 + 189.429}}{8.17}$$

Answer: \_\_\_\_\_  
(1 mark)

b) Write your answer to part (a) correct to 1 decimal place.

Answer: \_\_\_\_\_  
(1 mark)



Q9. a) Write down all the figures on your calculator display

$$3\sqrt{45.2} - \frac{8.41^3}{\sqrt{3.26 + 189.429}} + \cos(89.2)$$

Answer: \_\_\_\_\_  
(1 mark)

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

Answer: \_\_\_\_\_  
(1 mark)

### Applied Mixed Practice Problems

Q10. Ron says that  $\cos(42)\cos(50) - \sin(42)\sin(50) - \sin(92) = 0$ .  
How far out, to 1 decimal place, is he in his calculation?

Answer: \_\_\_\_\_  
(2 marks)



Q11. Let  $A = 4.6^2 - 7.1^2$  and  $B = \sqrt{30.1}$

Work out  $B^2 - 2A$ , giving your answer to 2 decimal places.

Answer: \_\_\_\_\_  
(2 marks)

Q12. Let  $A = \frac{4}{5 + \cos(40)}$  and  $B = 5.2^3$

Work out  $3A + 2B$ , giving your answer to 2 decimal places.

Answer: \_\_\_\_\_  
(2 marks)



Q13. Order the following expressions from smallest to largest, justifying your choice.

$$4.6^2 + 7.1\sin(75), \sqrt{790.13}, \sin(\sin(80))$$

Answer: \_\_\_\_\_  
(2 marks)

Q14. Order the following expressions from largest to smallest, justifying your choice.

$$\sin(6.6^2) \div (7.1\sin(75) \times \frac{34}{897}), \tan(80.2), \frac{\sqrt{3}}{0.000789}$$

Answer: \_\_\_\_\_  
(2 marks)



Q15. Michael wishes to evaluate the expression,  $\frac{5+\sin(30)}{\sqrt{400}-20}$ , using his calculator. State the problem he will run into and why it occurs.

Answer: \_\_\_\_\_  
(2 marks)