

CALCULATOR PRACTICE TEST

1) Evaluate to 2 decimal places
(where necessary)

- a) $\sqrt{27.7} =$
 b) $\sqrt{5.6 - 2.1} =$
 c) $3.4^2 - 4.6^2 =$
 d) $\frac{4.5 + 3.7}{7.4} =$
 e) $8.9 - \sqrt{2.9} =$
 f) $4.7^5 =$
 g) $\sqrt{\frac{0.73 + 1.4}{0.086}} =$
 h) $\left(\frac{9.7 \times 8.7}{8.2 - 3.2}\right)^4 =$

2) Evaluate to 4 significant figures.

- a) $8.6^4 =$
 b) $\sqrt{6.1} =$
 c) $\frac{1}{4.9} =$
 d) $8.3 + \frac{1}{6.1} =$
 e) $\frac{1}{4}$ of 58 =
 f) $\frac{6}{7}$ of 7.9 =

3) State the number of significant figures.

- a) 7.03
 b) 6.00
 c) 0.0041
 d) 7605

4) Write each calculator display as a basic numeral.

- a) 5.13 03
 b) 2.8 -02
 c) 3.2 07
 d) 5.01 -04

5) Find

- a) 7% of \$68 =
 b) 60% of \$825 =
 c) $7\frac{1}{2}\%$ of \$80 =

6)a) A shop has a 15% discount sale. Find the cost of an article with a marked price of \$65 (show working)

b) Duane deposits \$85 in a savings account, receiving 13%p.a. interest. How much will this amount to after 1 year. (show working)

7) Evaluate to 2 dec. p.

a) $\frac{57.6 + 1.86}{(4.9 - 1.3)^3}$

=

b) $\frac{6.7^3 + \sqrt{8.8}}{\sqrt{3.4 - 2.3}}$

=

c) $\sqrt{\frac{67 + 3.4}{9.6 + 2.3}}$

=

d) $\frac{8.5}{1.7} - \frac{9.9}{11.2}$

=

e) $\frac{(9.4 + 7.21)^4}{(6.1 + 3.4)^7}$

=

f) $(2.5)^2 + (6.8)^4$

=

g) $(4.3)^5 \times 0.0024$

=

h) $5.2^3 - \sqrt{27}$

=

i) $\sqrt{\frac{4.3 + 1.4^3}{3.8^2}}$

=

j) $\frac{9.7 - (3.4 + 1.2)}{3.3 - 5.3}$

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