

Casio Classpad 330 Worksheet 1

Go into MAIN for these calculations and make sure you CLEAR ALL and CLEAR ALL VARIABLES.

Simple Calculations

1 Evaluate 25^2 3^6 -5^4 $\sqrt{15129} - \sqrt{14641}$ $\sqrt[3]{12167}$ $28561^{1/4}$

If you have trouble with any of these please go to <http://www.classpad.com.au/> 007 simple calculations in MAIN

2 Find the value of the following expression when $x = 2$ $2(x - 8)(5x - 9)$ Repeat for $x = 3$

3 Find the value of the following when $x = -3$ and $y = 4$ $4(y - 2x) - 42$ {use curly Brackets}

4 Evaluate $\frac{3}{5} \div \frac{2}{3}$ $\frac{3}{8} + \frac{2}{7}$ (Careful here) $2\frac{1}{2} + 3\frac{1}{4}$ The answer is $2\frac{3}{4}$ NOT $7\frac{3}{4}$!

5 Use sROUND(to round 34567 to 3 significant figures Use second function Key if you have it set up.
<http://www.classpad.com.au/> Advanced 980

6 Use fRound(to round 456.455 to 2 d.p. 456.449 to 2 d.p.

7 Simplify $2(x-3y)^2 - x^2 + 11xy - 9y^2$ Use Interactive / transformations /simplify

8 Expand $(x + 3)^3$ Expand $(x + y)^2 - (x - y)^2$ Use Interactive / transformations /expand

9 List the prime factors of 210 Use Interactive / transformations /factor

10 Factorise $x^2 - 5x + 6$ and $x^3 - x^2 - 4x + 4$

11 Factorise $x^4 - y^4$ and $x^2 + 3x - xy - 3y$