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Applications Q10

Reducing balance loan in Finance

Methods Q9

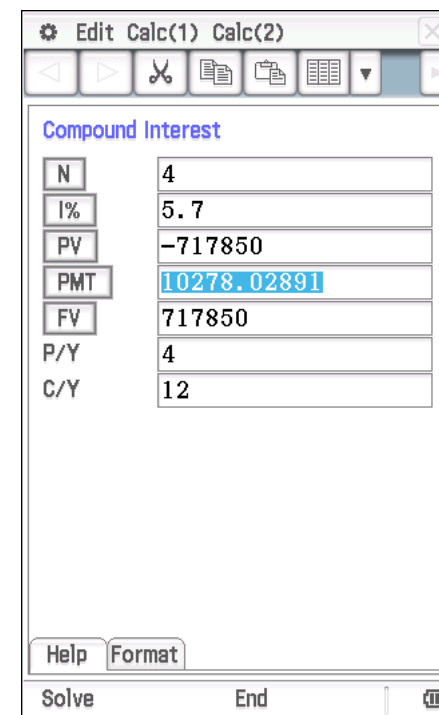
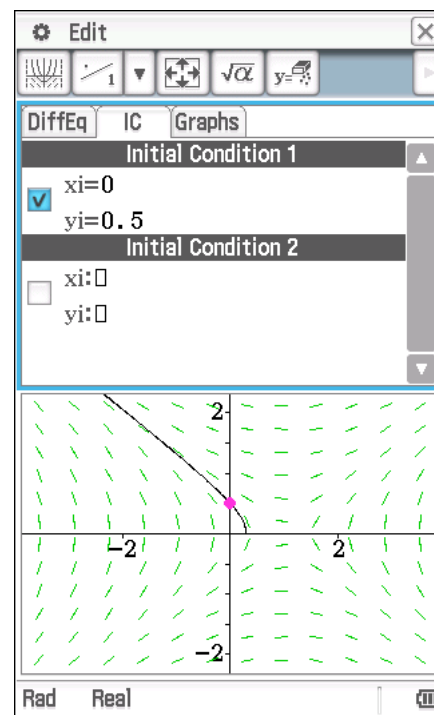
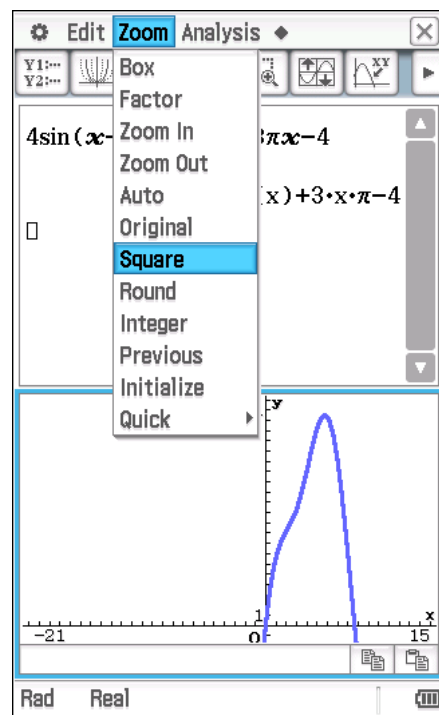
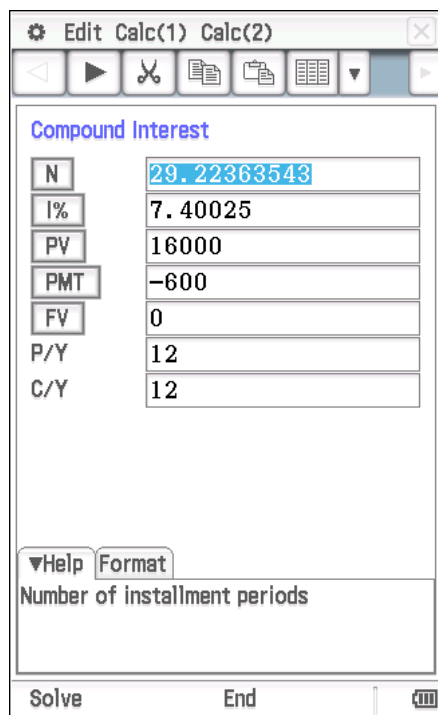
Graphing skills

Specialist Q10

First ATAR use of DiffEq-Graph - and not the whole story...

Applications Q14

Annuity



Methods Q17
Rectilinear motion

Specialist Q15
Sampling distribution of mean

Applications Q12
Depreciation

Methods Q11
Sample proportions

ClassPad II screenshot for Methods Q17. The window title is "Edit Action Interactive". The main display shows the equation $kt^2 - 23t + 20k = a$. Below it, the expression $k \cdot t^2 + 20 \cdot k - 23 \cdot t$ is shown. A definite integral $\int_0^2 a dt$ is displayed, followed by the result $\frac{128 \cdot k}{3} - 46$. The text "solve(ans=18, k)" is entered, resulting in the solution $\left\{ k = \frac{3}{2} \right\}$. Another definite integral $\int_0^{\square} a dt \mid k = \frac{3}{2} \Rightarrow v$ is shown, followed by the expression $\frac{t^3}{2} - \frac{23 \cdot t^2}{2} + 30 \cdot t$. The text "solve(ans=0, t)" is entered, resulting in the solution $\{ t = 0, t = 3, t = 20 \}$. The bottom status bar shows "Alg Standard Real Rad".

ClassPad II screenshot for Specialist Q15. The window title is "Edit Zoom Analysis". The main display shows the normal distribution function $\text{normPDF}\left(x, \frac{2.4}{\sqrt{64}}, 3\right)$. Below the function, a graph of the normal distribution curve is plotted on a coordinate plane. The x-axis is labeled from 0 to 8, and the y-axis is labeled from -2 to 2. The curve is centered at $x = 3$ and reaches a peak height of approximately 1.5. The bottom status bar shows "Deg Real".

ClassPad II screenshot for Applications Q12. The window title is "Edit Calc(1) Calc(2)". The main display shows a "Compound Interest" calculator. The input fields are: N = 3, I% = -10.14320487, PV = 16782.37, PMT = 0, FV = -12176.04, P/Y = 1, C/Y = 1. The bottom status bar shows "Solve End".

ClassPad II screenshot for Methods Q11. The window title is "Edit Action Interactive". The main display shows the list of data $[55, 200, 0.95] \Rightarrow [X, n, c]$. Below it, the expression $[-\text{invNormCDF}(0, c, 1, 0) \Rightarrow z]$ is shown, resulting in 1.959963985 . The text $X/n \Rightarrow p$ is entered, resulting in 0.275 . The expression $\sqrt{\frac{p \times (1-p)}{n}} \Rightarrow s$ is shown, resulting in 0.03157332735 . The text $z \times s \Rightarrow E$ is entered, resulting in 0.06188258448 . The expression $[p-E, p+E]$ is shown, resulting in $[0.2131174155 \ 0.33688258]$. The text $\text{fRound}(ans, 4)$ is entered, resulting in $[0.2131 \ 0.3369]$. The bottom status bar shows "Alg Decimal Real Rad".