

Pick and match: $y = f(x)$, $f'(x)$ and $f''(x)$

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Select GRAPH mode from the main menu by using the arrow keys to highlight the GRAPH icon or pressing 5.



This worksheet shows students how to produce a graph and its first and second derivatives and make 'connections' between these three representations.

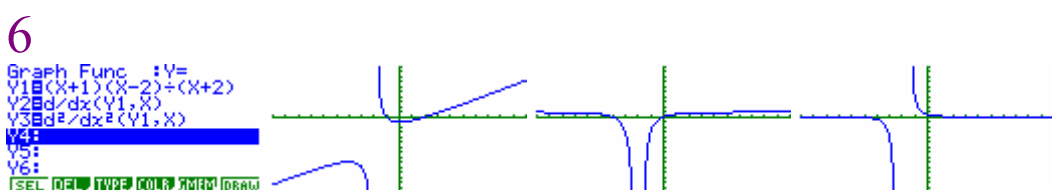
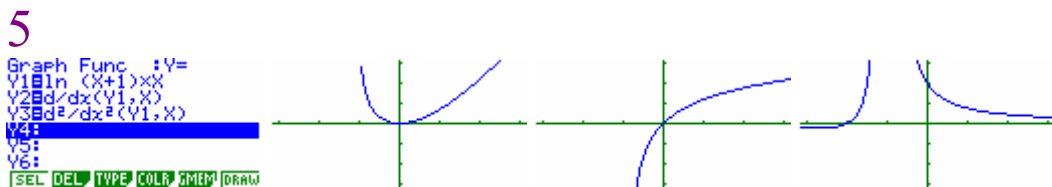
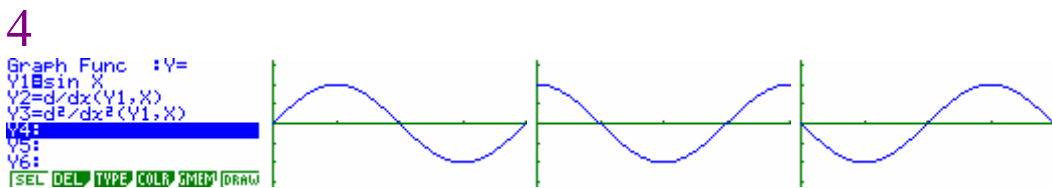
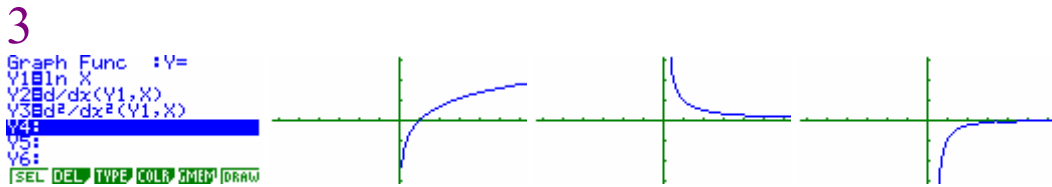
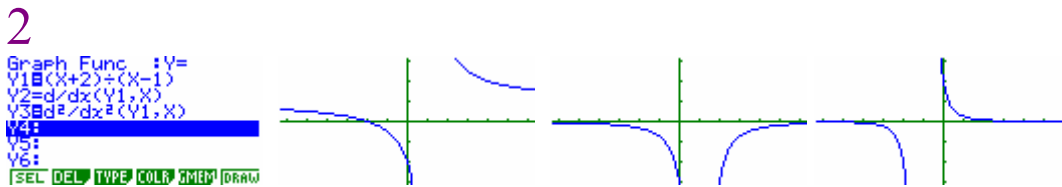
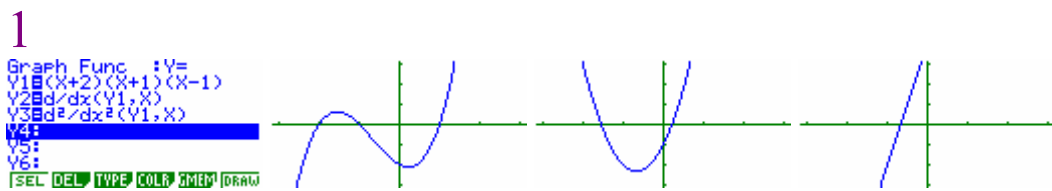
For: $d/dx(Y1,X)$ and $d^2/dx^2(Y1,X)$ OPTN → CALC [F4] → F2 or F3.

For: Y VARS → GRPH [F4] → F1

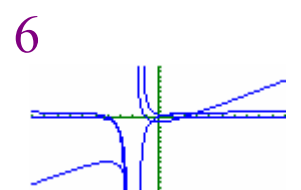
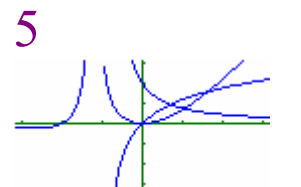
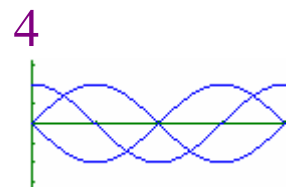
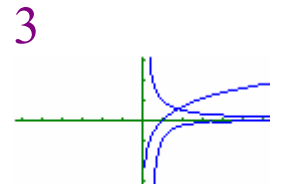
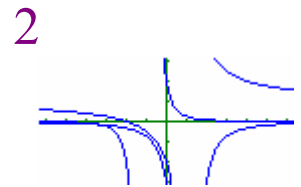
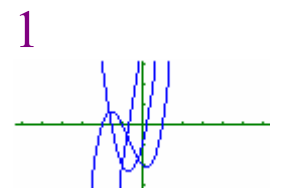
Setting up the graphing screen: The V- window is usually set to 'INIT' setting: SHIFT [F3] V-Window, [F1].



A collaborative exercise where students are given the first 4 screen snap sets and are to match the function with its first and second derivative.



Cut each of these to separate and make sets.



For further tips, more helpful information and software support visit our website