



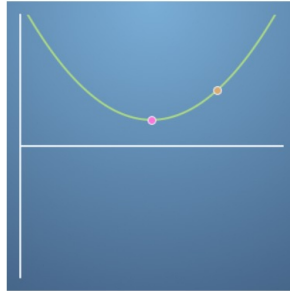
✓ Congratulations! You passed!

Next Item

4 / 5
points

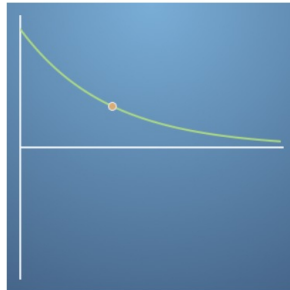
1. Given the following functions. When applying the Newton-Raphson method, which ones will converge to the specified root (pink dot) from the given starting point (orange dot)?

Select all that apply.



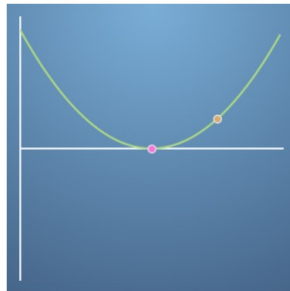
This should not be selected

There is no root in this system. A solution does not exist and so cannot be found.



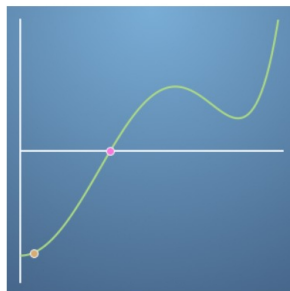
This should not be selected

There is no root to this system



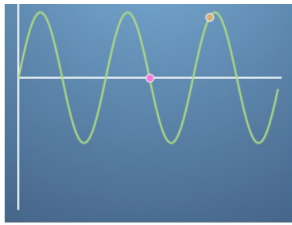
Correct

This optimisation will converge to the root, even though it is a minimum.



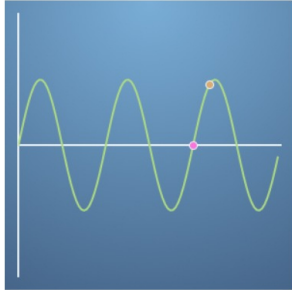
Un-selected is correct



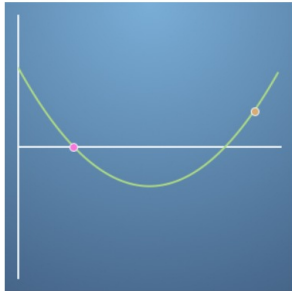


Correct

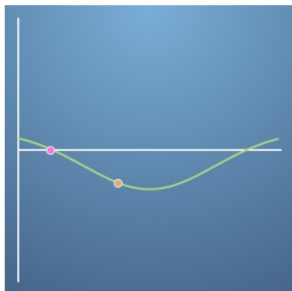
This optimisation will converge to the specified root.



Un-selected is correct

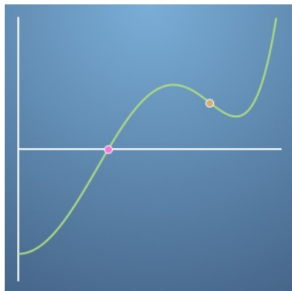


Un-selected is correct



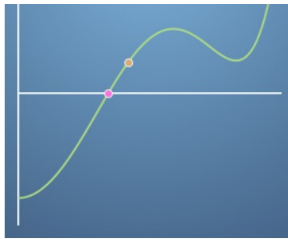
Correct

This optimisation will converge to the specified root.



Un-selected is correct





Correct

This optimisation will converge to the specified root.

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