

## Appendix C Instructional Guide Developed by Calculus Teachers During PD Day 2

AP Calculus Graphing Derivatives and Functions

Name \_\_\_\_\_

You have two websites shared with you on Padlet.

<http://www.flashandmath.com/mathlets/calc/derdraw/DerivativeDraw.html>

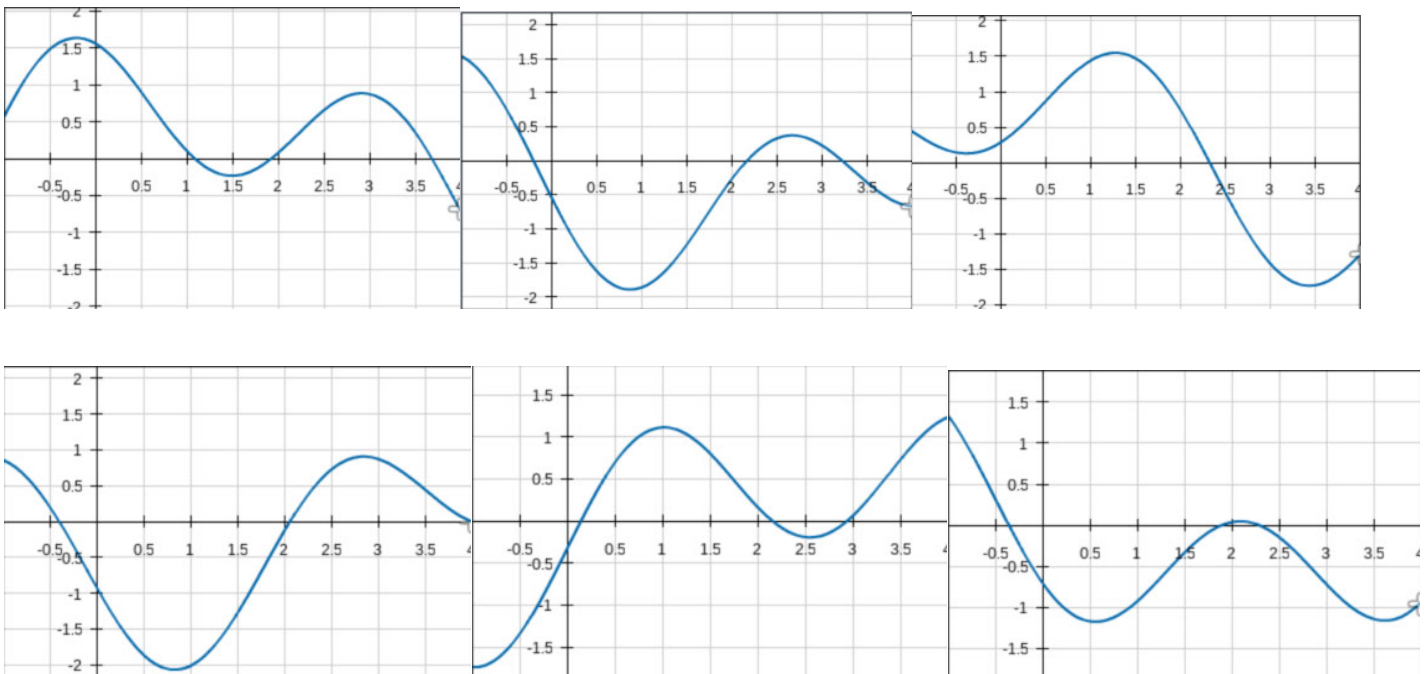
I would like you to thoroughly explore both sites. Practice graphing a derivative given a function and practice graphing a function given a derivative.

Using the first site what was the highest score you received? \_\_\_\_\_

Which types of functions were the most difficult to sketch? \_\_\_\_\_

If you were to teach a classmate how to sketch a graph of a derivative given the graph of a function what would be the three most important things to remember?

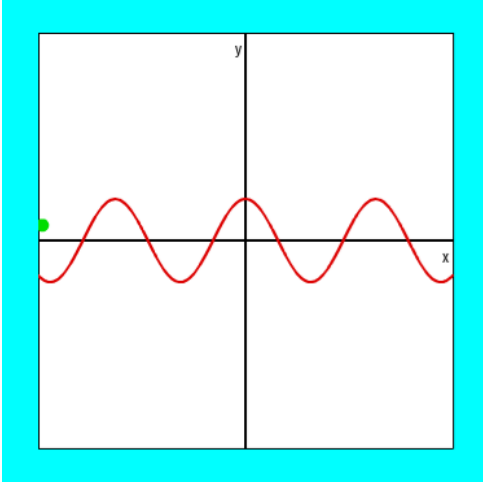
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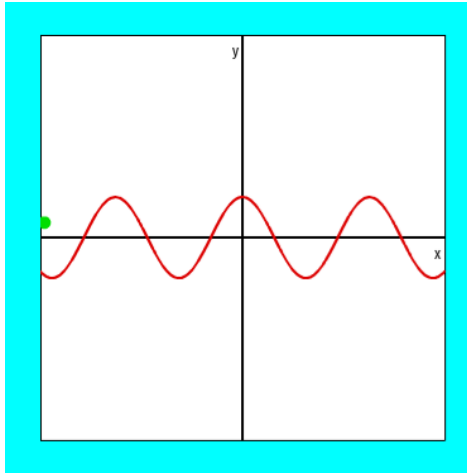
<http://www.ltconline.net/green/java/Other/IntegralGraph/SketchFfromFPrime.>

As you navigate the second website sketch your guess here, then try it on the chromebook, be sure to record your score, keep trying until you get a score of 90 or better.

Prediction

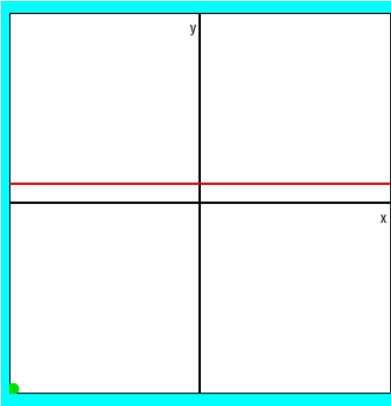
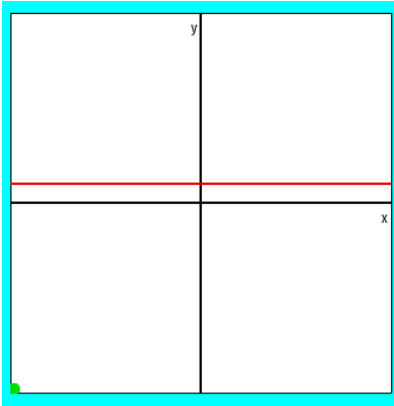


Actual



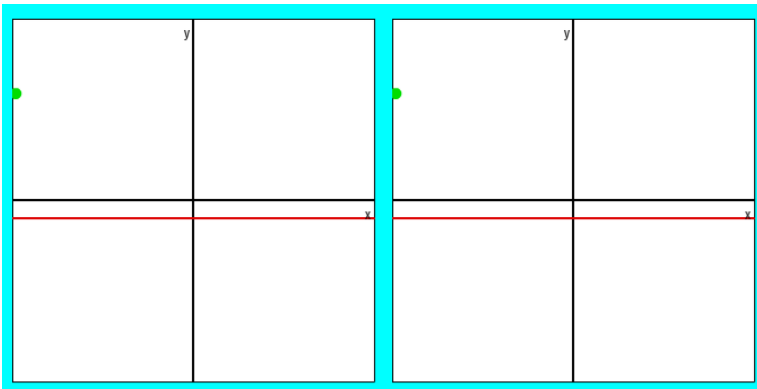
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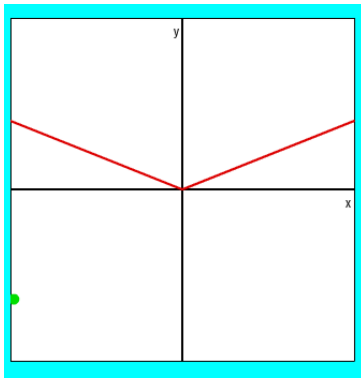
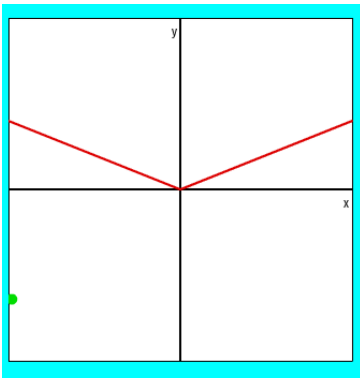
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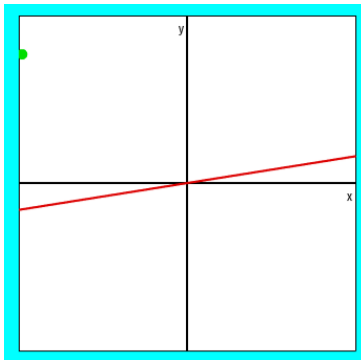
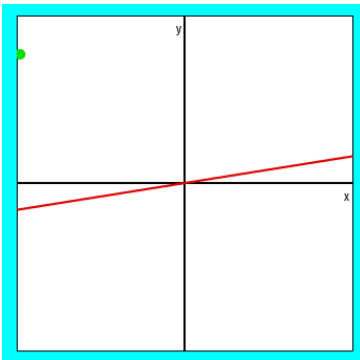


1st Score \_\_\_\_\_

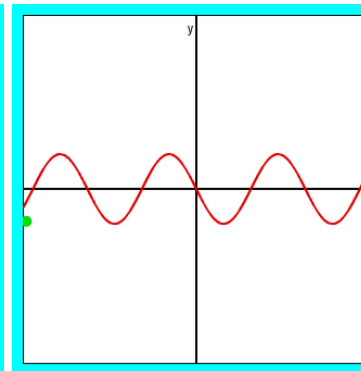
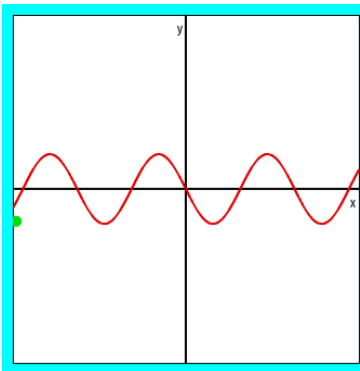
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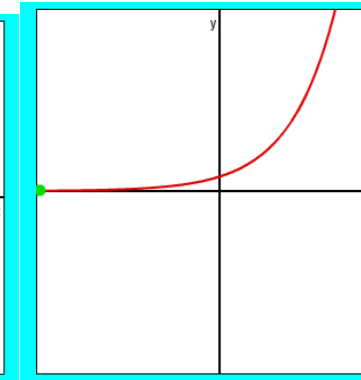
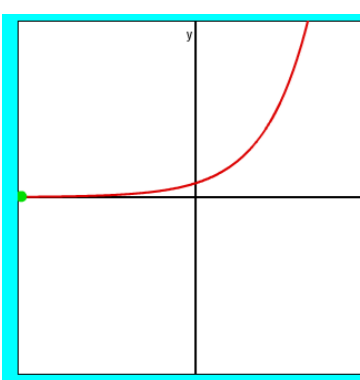
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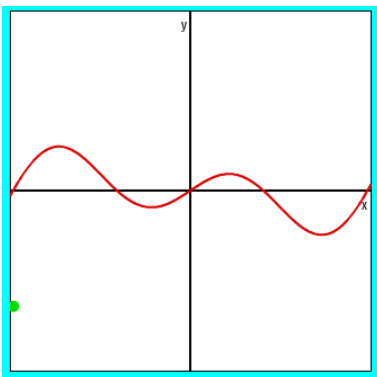
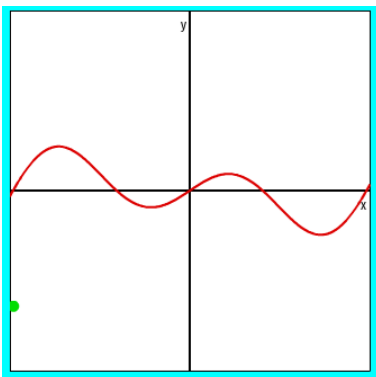
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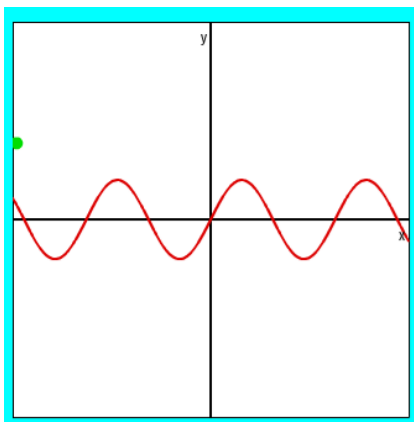
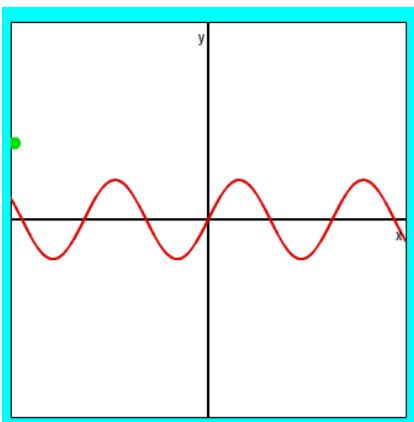
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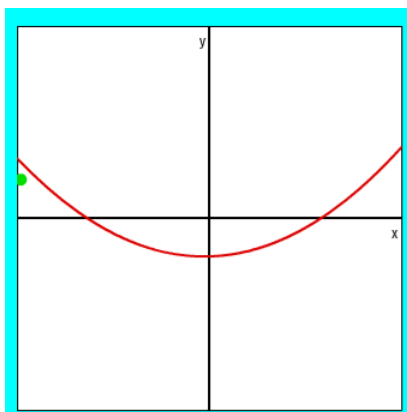
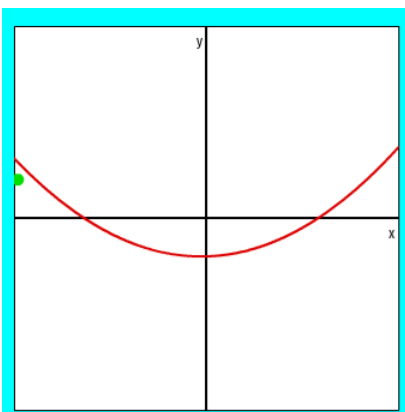
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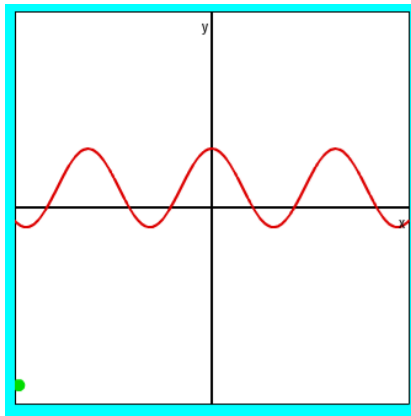
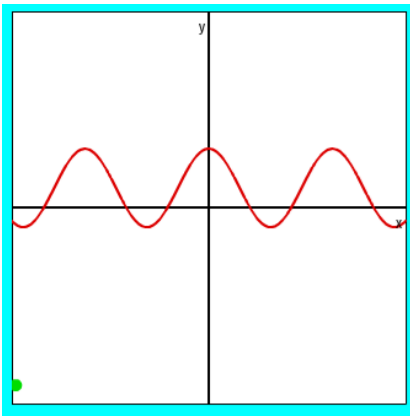
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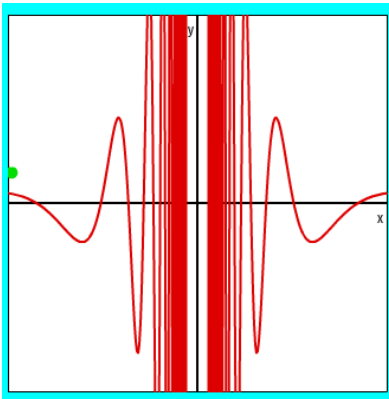
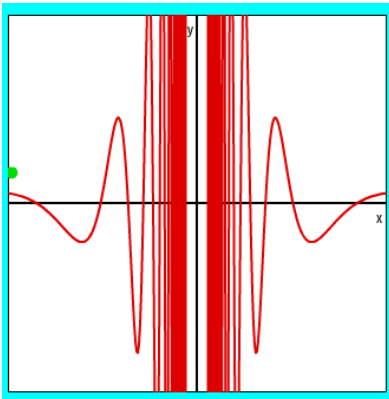
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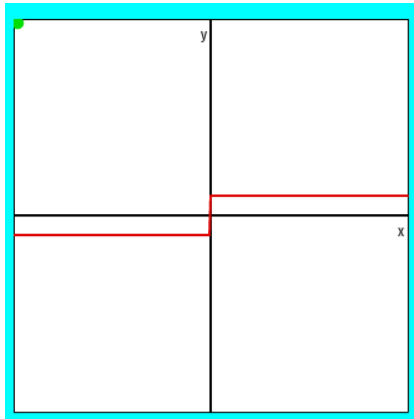
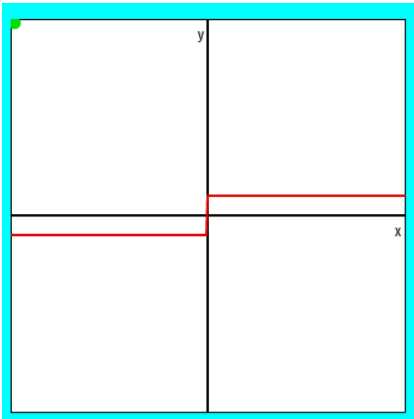
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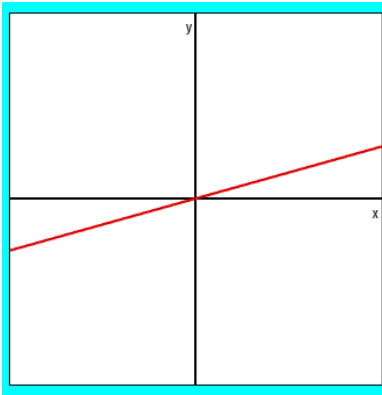
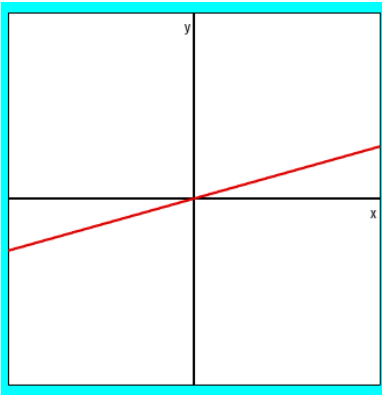
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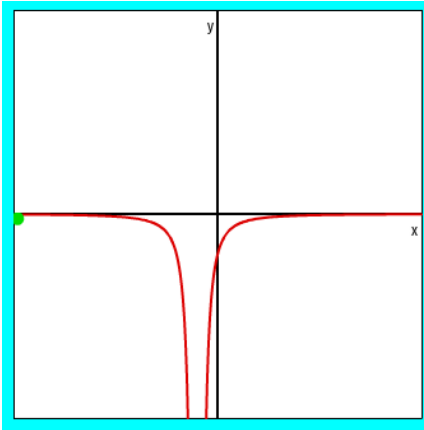
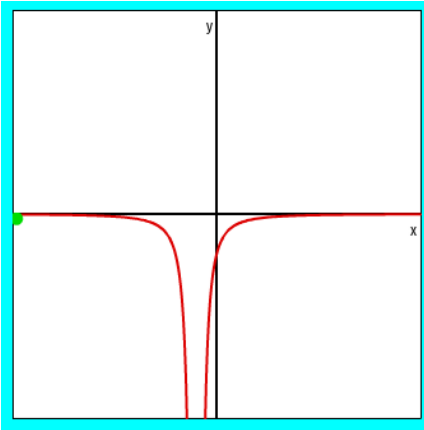
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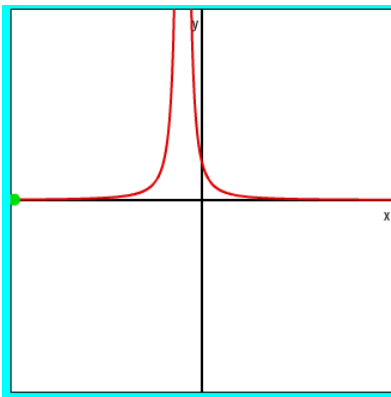
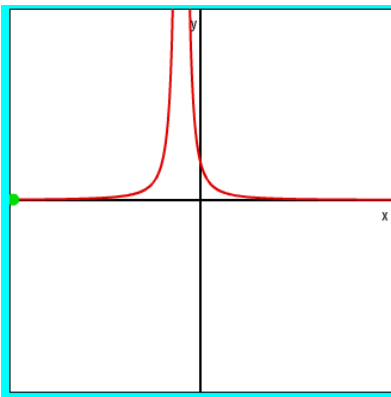
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1st score \_\_\_\_\_  
2nd Score \_\_\_\_\_



1st score \_\_\_\_\_  
2nd score \_\_\_\_\_



1st score \_\_\_\_\_  
2nd score \_\_\_\_\_

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If you were to teach a classmate how to sketch a graph of a derivative given the graph of a function what would be the three most important things to remember?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_