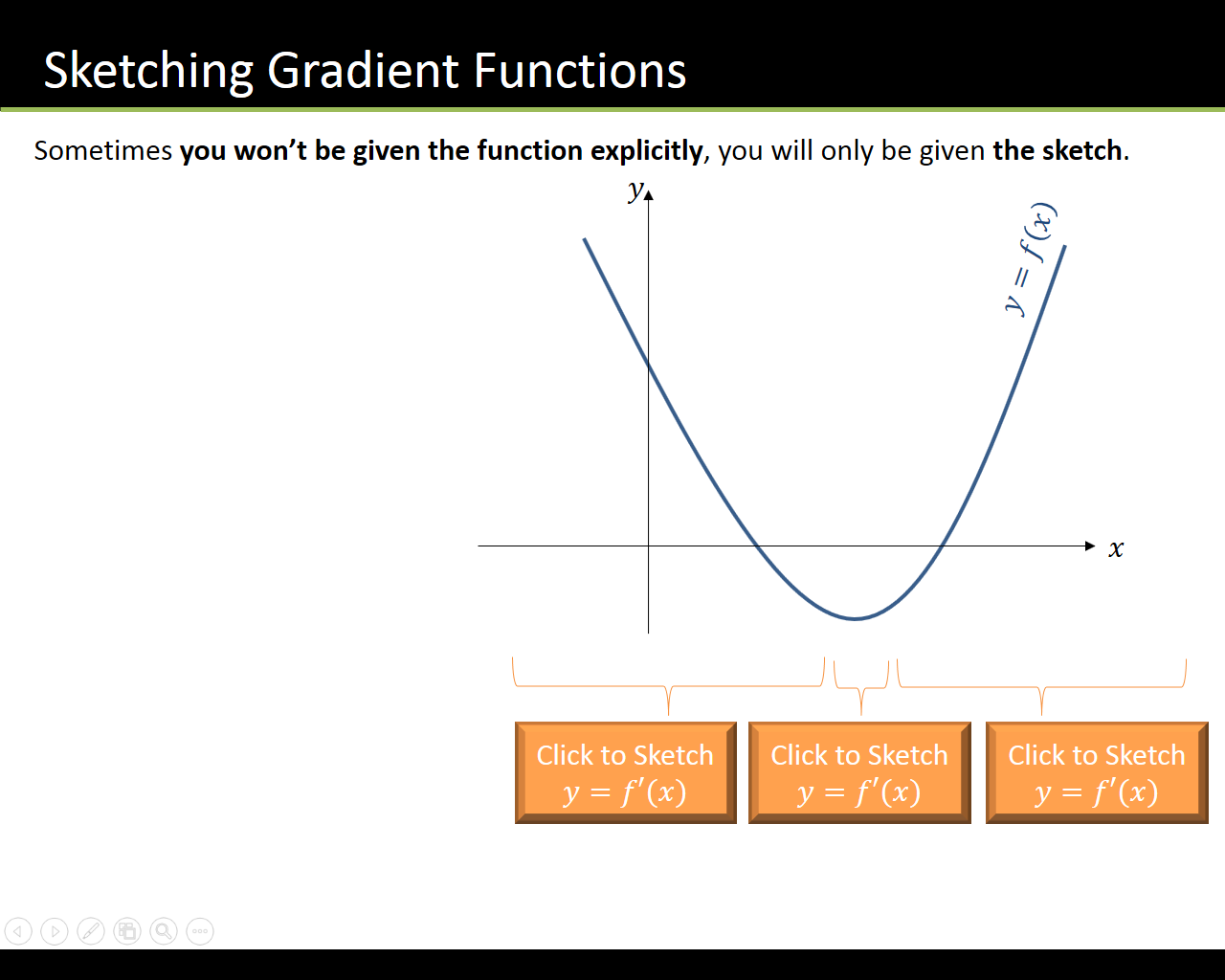
Sketching Gradient Functions

Example

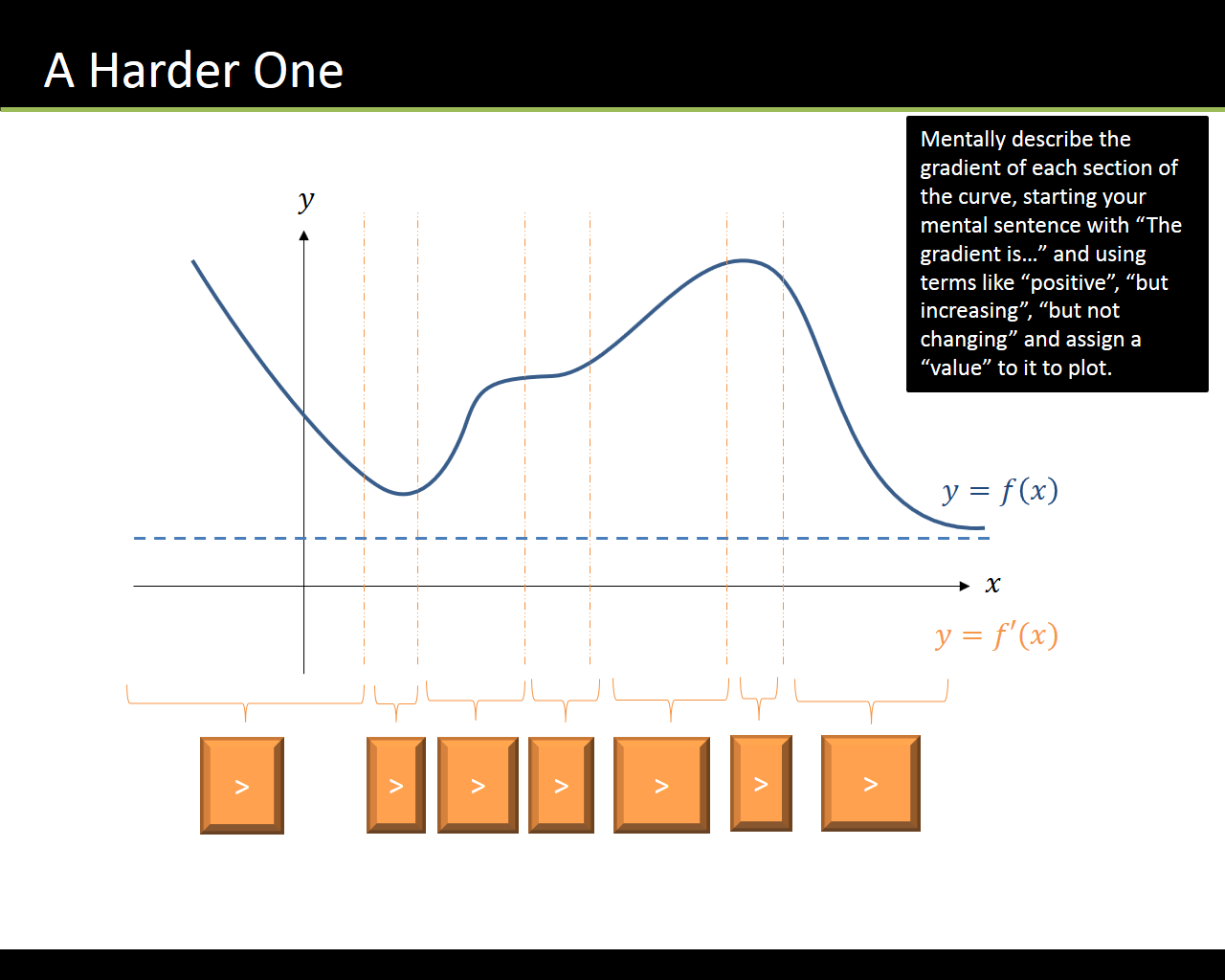
Sketch the gradient function for the function

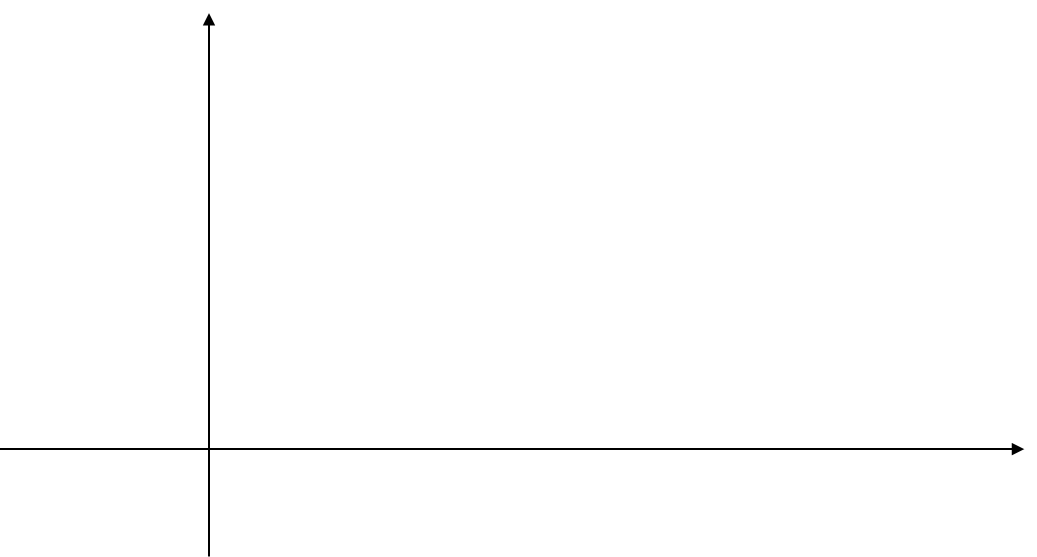
Sometimes **you won’t be given the function explicitly**, you will only be given **the sketch**.

Example

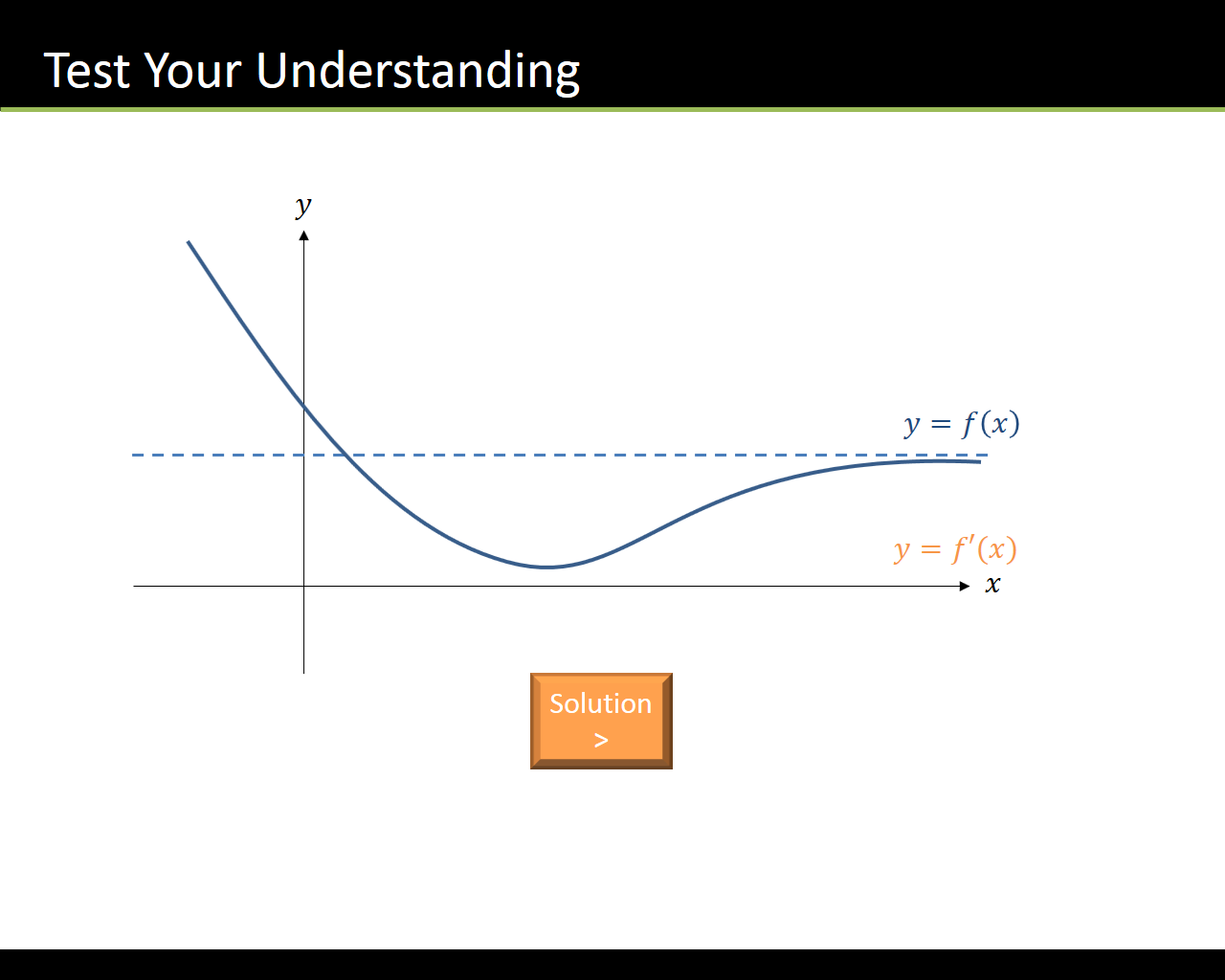


Example 2

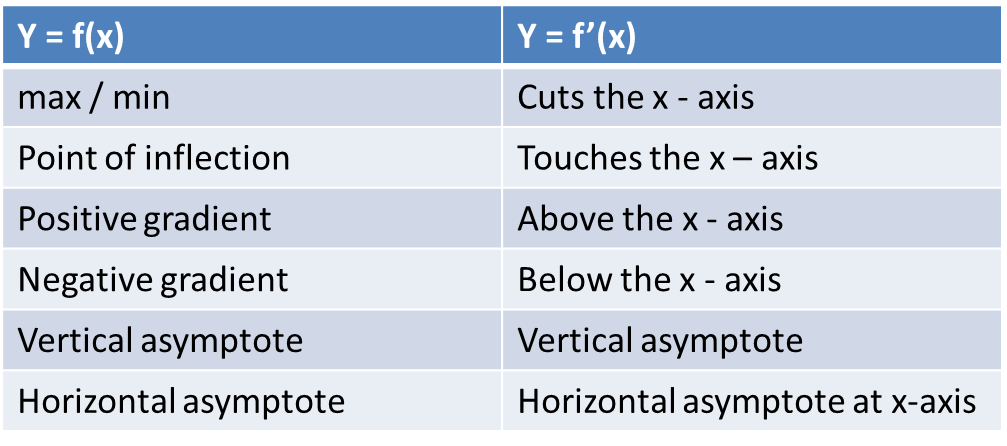




Test Your Understanding



Summary



Extension

[MAT 2015 1B]

where is a real number and is a positive whole number, and . If and are plotted on the same axes, the number of intersections between and will:

1. always be odd
2. always be even
3. depend on but not
4. depend on but not
5. depend on both and .

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