5/5 points (100%)

Practice Quiz, 5 questions



Next Item



points

1.

In this quiz you will practice estimating the derivative of a function by choosing the most suitable graphs.

Estimate the gradient of the tangent to the function at the point (4,2) based on the image below.

....

The gradient is -1.

The gradient is 0.



The gradient is 1.

Matching the graph of a function to the graph of its derivative Change in v divided by the change in x gives the gradient of

5/5 points (100%)

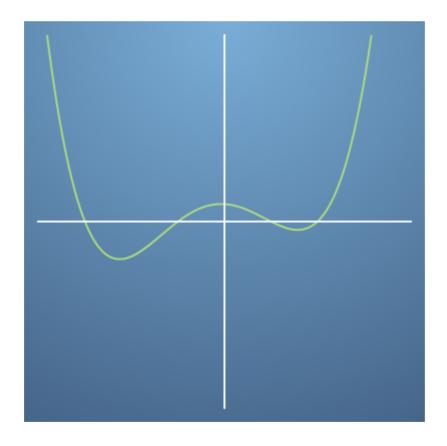
Change in y divided by the change in x gives the gradient of a Practice Quiz, 5 question traight line (the tangent).

The gradient is 2.	



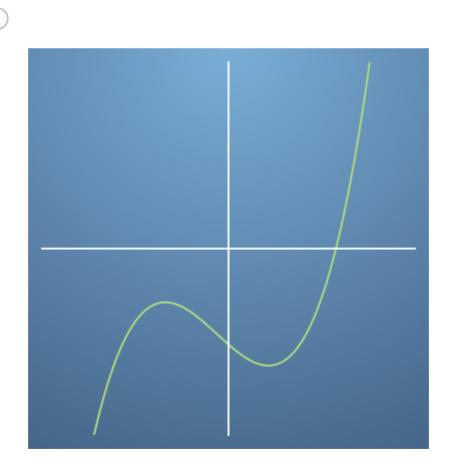
1/1 points

2. Which diagram best describes the differential of the function in the following graph?



Practice Quiz, 5 questions

5/5 points (100%)



5/5 points (100%)

Practice Quiz, 5 questions



Correct

This figure best describes how the function changes with x.



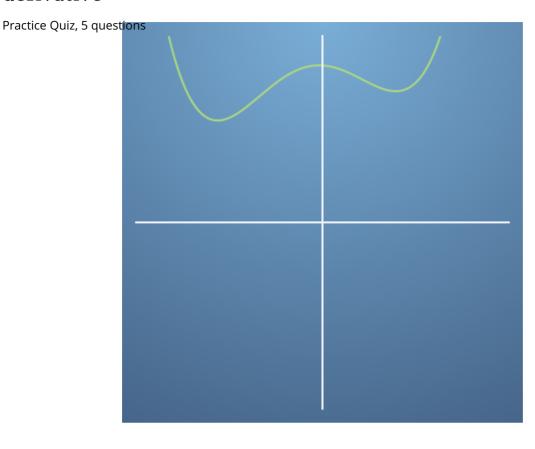
points

3.

Which diagram best describes the differential of the function in the

following diagram? Matching the graph of a function to the graph of its derivative

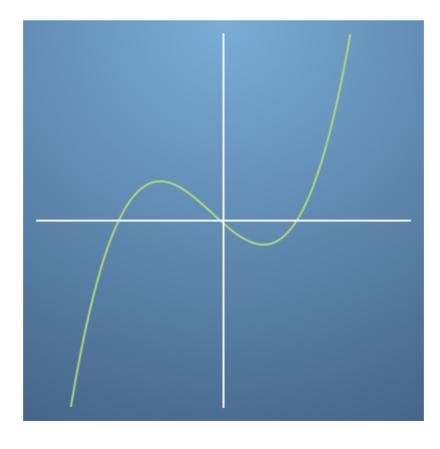
5/5 points (100%)



Practice Quiz, 5 questions

5/5 points (100%)





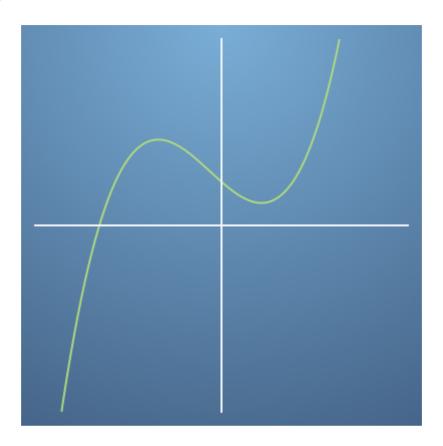
Correct

Matching the Spifains of the ction to the graph of itish at derivative

5/5 points (100%)

Practice Quiz, 5 questions







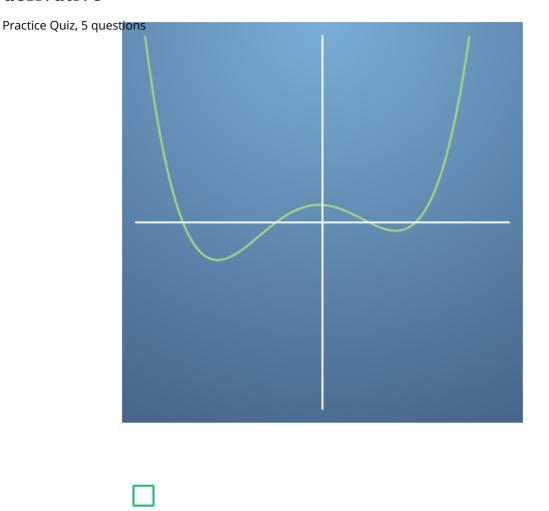
1/1 points

4.

Which diagram(s) has a differential **described by** the following image?

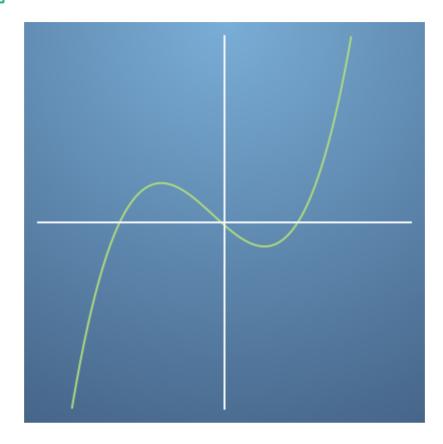
Choose all correct answers. Matching the graph of a function to the graph of its derivative

5/5 points (100%)



5/5 points (100%)

Practice Quiz, 5 questions



Un-selected is correct



Correct

Well done! If one function is a vertical shift of another function, then they have the same differential.



Correct

Well done! If one function is a vertical shift of another function, then they have the same differential.

then they have the same differential. Matching the graph of a function to the graph of its derivative

5/5 points (100%)

Practice Quiz, 5 questions



1/1 points

5.

What is the derivative at $\boldsymbol{0}$ for the function in the graph below?

	The derivative is -1.
	The derivative is 0.
	The derivative is 1.
0	No derivative exists.

Correct

Derivatives are not well defined at points that don't look "smooth".





