

MA 109: September 19

Average Rate of Change

Start of Class

Instructor Information

Name:

Email:

Office Hours:

Warm-up Questions

Notes

Example: Suppose $f(x) = 3x^2 - 4$. What is the average rate of change of $f(x)$ on $[-1,2]$?

The process for finding Average Rate of Change is always the same:

Example: Suppose $f(x) = x^2 + 5$. What is the average rate of change of $f(x)$ on $[-2, -2+h]$?

Example: Suppose $f(x) = x^2 + 5$. What is the average rate of change of $f(x)$ on $[a, a + h]$?

End of Class

Write a summary of what you learned today:

What questions do you have about the material from today?

What do you need to do between now and the next class meeting?