Instantaneous Rates of Change

| **Goal**: |
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| • Understands that slope is $\frac{\Delta y}{\Delta x}$ whose units give us rate of change and this rate of change can be analyzed with a limit. |
| **Terminology**:
 • Average rate of change
 • Instantaneous rate of change |
| **Reminders:**
 • Quiz Monday Oct 7
 • Test Friday Oct 11
 • Get evidence up to date! |

How would we determine how fast the water levels are changing at noon on September 7th?

Time	11:45	11:50	11:55	12:00	12:05	12:10	12:15
Height (mm)	548	553	559	569	576	585	595
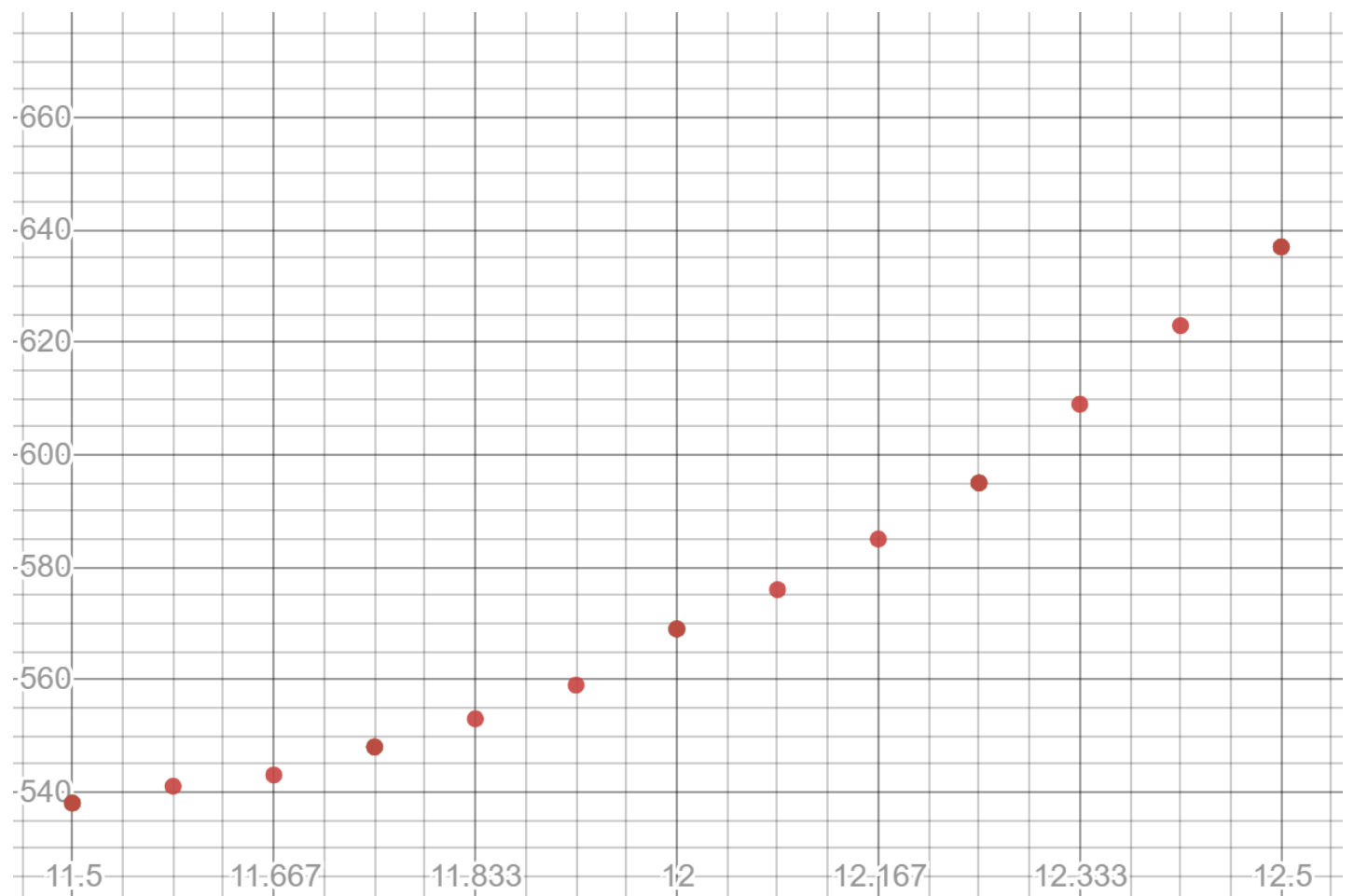
Fraser River Water Levels Reflection

Problem: At what time were the water levels changing the most dramatically and how fast was the water level changing at that time?

You looked at this problem three times now. Outline strategies you used to solve the problem.

What challenges did you face and what did you do to overcome them?

Re-reading your work over the span of a couple weeks, how can you improve your communication?