

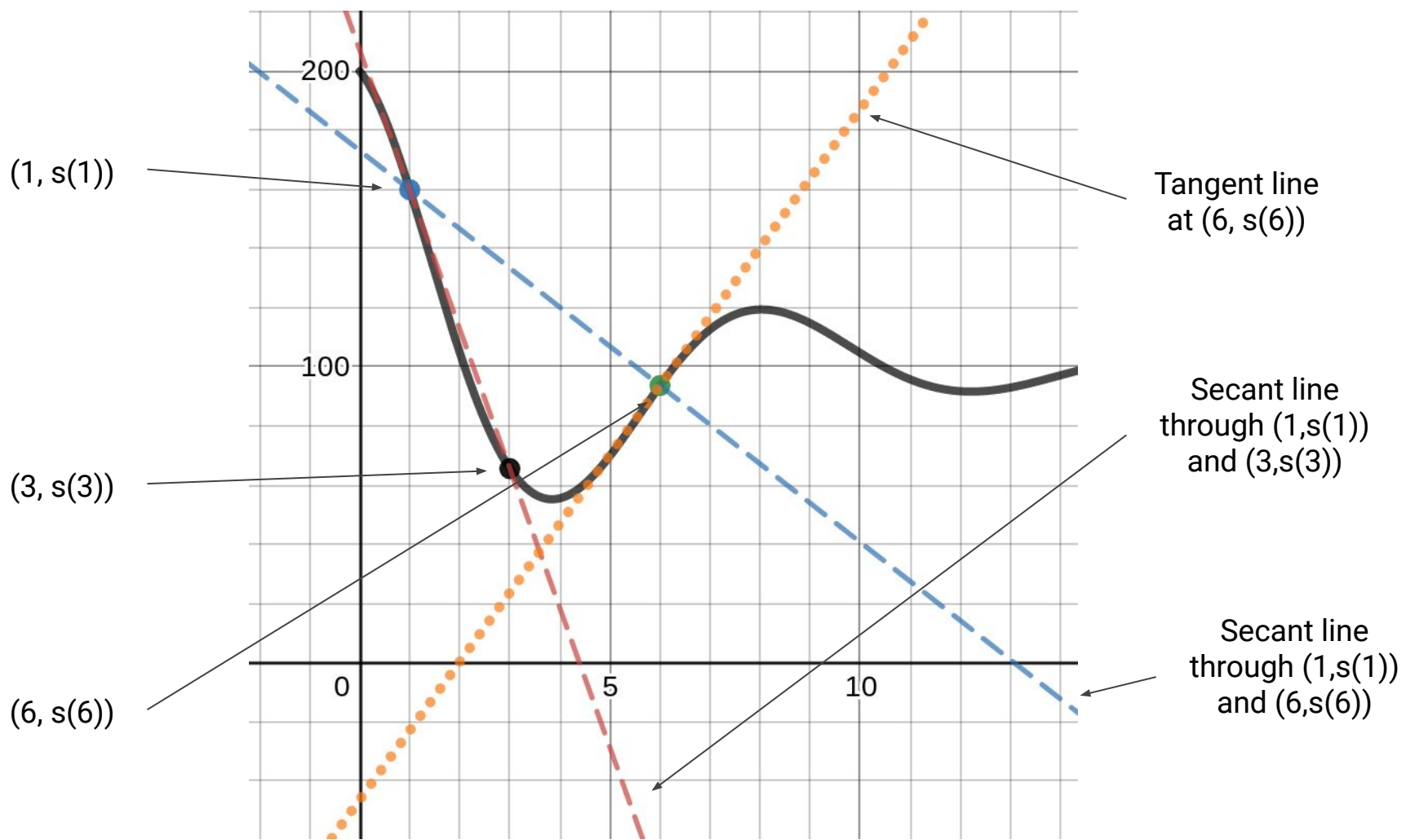
# Practice with velocities

MTH 201 – Module 1A part 2

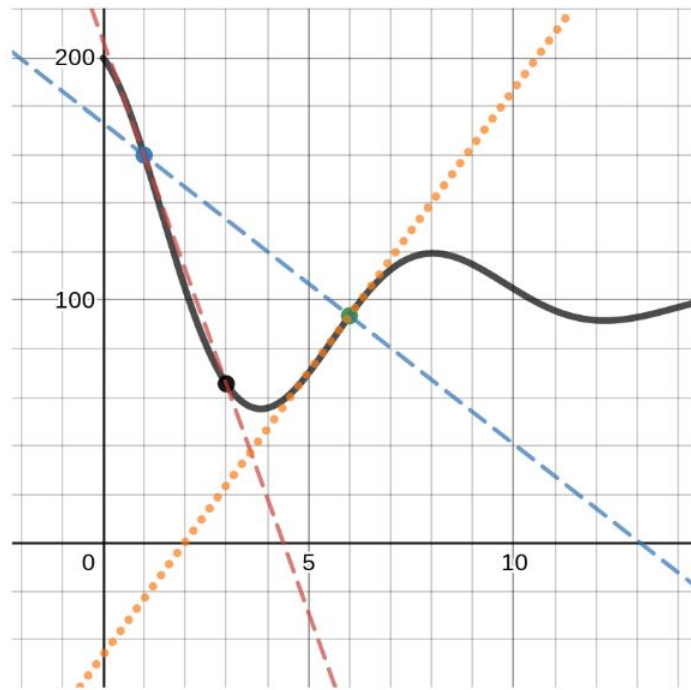
# Today

- Review of part 1
- Finding average/instantaneous rate of change from a table
- Finding average/instantaneous rate of change from a graph
- Finding average/instantaneous rate of change from a formula
- Feedback





# Which of the following quantities is/are negative in this picture? Select all that apply.



The average rate of change in  $s$  on  $[1, 3]$

The average rate of change in  $s$  on  $[1, 6]$

The instantaneous rate of change in  $s$  at  $t = 6$

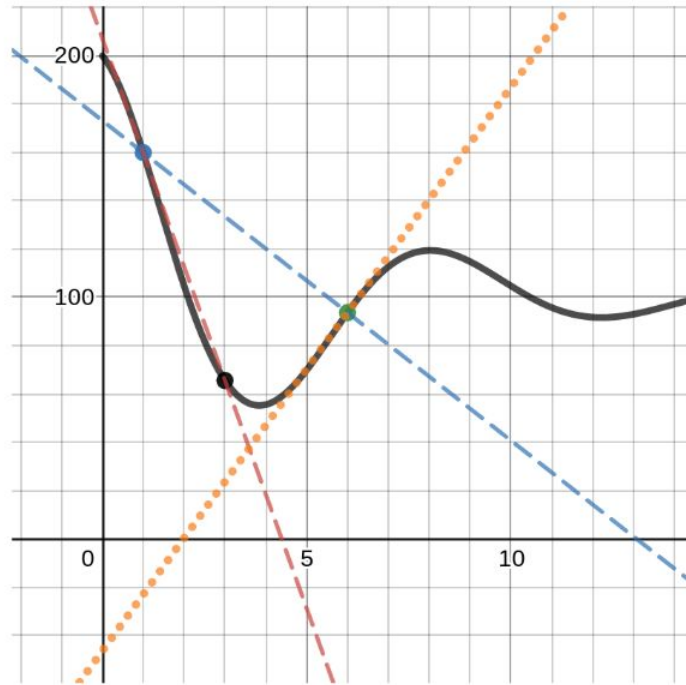
There's not enough information present to decide

(Select this option if none of the above is true)



To 0

The average rate of change in  $s$  from  $t = 1$  to  $t = 6$  is approximately equal to



-95

-67

-47

-13

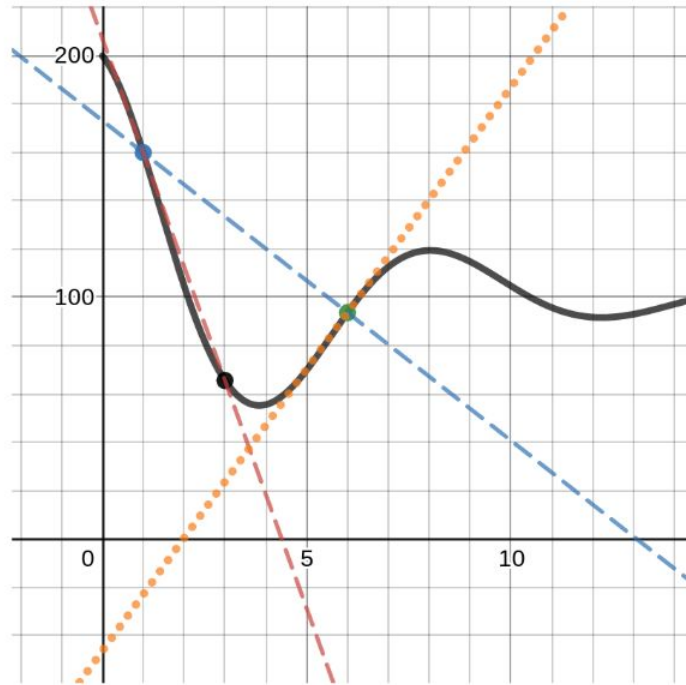
-0.1

There's not enough information



To 0

The instantaneous rate of change in  $s$  at  $t = 6$  is approximately equal to



1.5

9

25

95

There's not enough information to estimate the rate of change



To 0

# Rates of change using different representations

*On Desmos activities*

<http://gvsu.edu/s/1zJ>