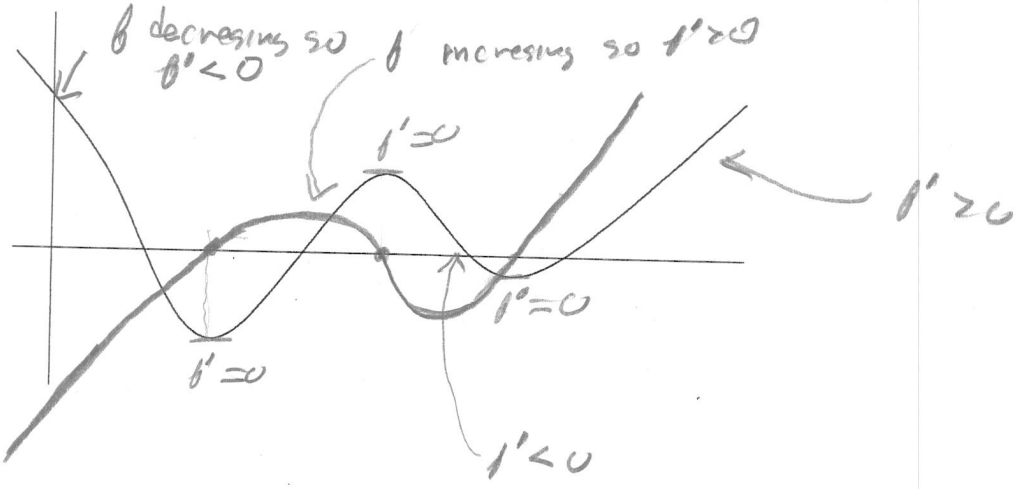
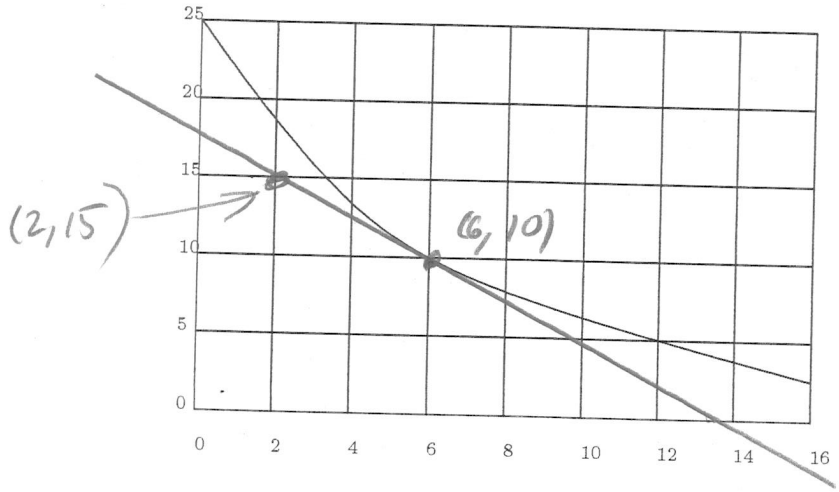
Quiz #7 Name: Key

You must show your work to get full credit.

1. The following is the graph of $y = f(x)$. Draw the graph of the derivative function $y = f'(x)$ on the same axis.



2. The following is the graph of $y = g(x)$. Draw the tangent line to the graph at the point where $x = 6$. Choose two points on this tangent line and label them showing both the x and y coordinates. Use these points to estimate $g'(6)$.



$g'(6) \approx$ -1.25

$g'(6)$ = slope of tangent line

$= \frac{\Delta y}{\Delta x} \approx \frac{10-15}{6-2} = \frac{-5}{4} = -1.25$