Key

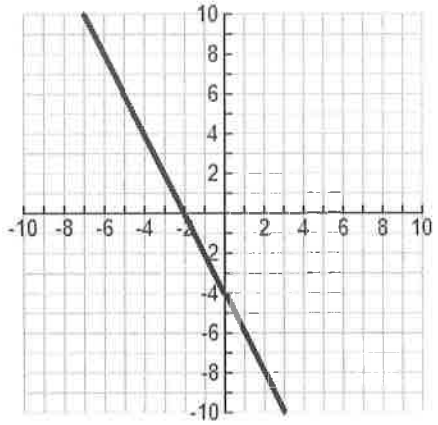
Math 4

5-3 Practice 2

Name_____

Date_____

1. Below is a graph of $f'(x)$. Describe the graph of $f(x)$ using as much detail as possible.

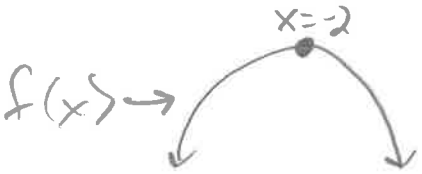


f(x) is...

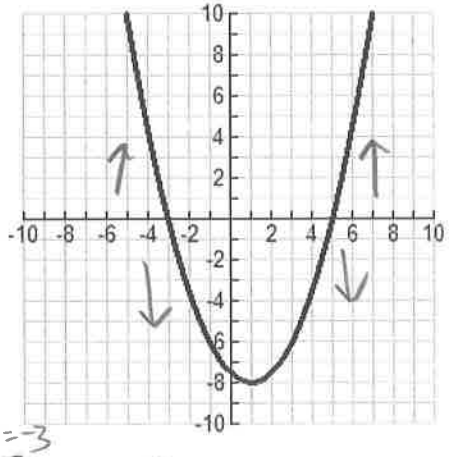
increasing when $x < -2$

decreasing when $x > -2$

at a max when $x = -2$



2. Below is a graph of $g'(x)$. Describe the graph of $g(x)$ using as much detail as possible.



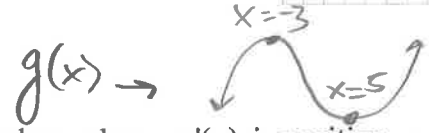
g(x) is...

increasing when $x \leq -3$ & $x > 5$

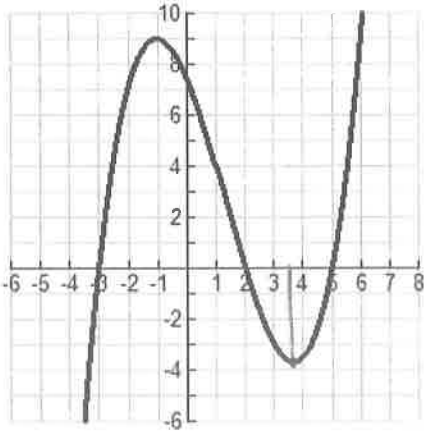
decreasing when $-3 < x < 5$

at a max when $x = -3$ ∩

at a min when $x = 5$ ∪



3. Use the graph of $m(x)$ below to give all the values where $m'(x)$ is positive, negative and zero.



Positive: $x < -1$ & $x > 3.75$ (estimate)

Negative: $-1 < x < 3.75$

Zero: $x = -1$ & $x = 3.75$