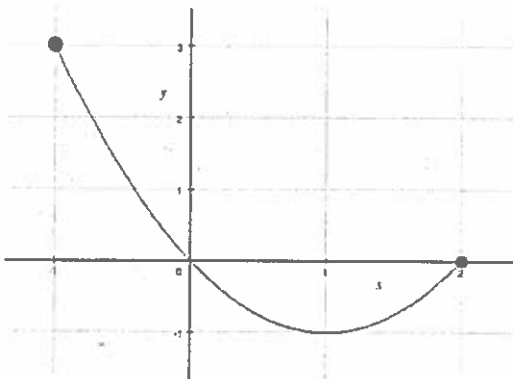


Write your First name: Key

AP Calculus AB: 4.6 First Derivative Test Graphically

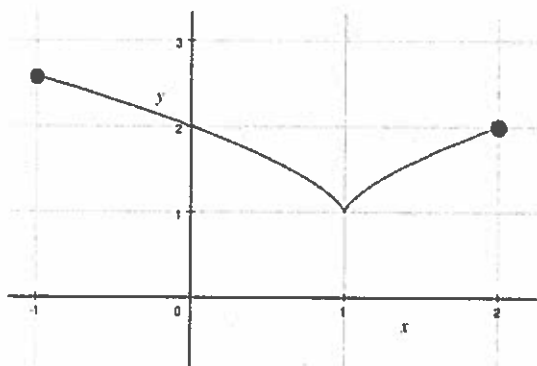


1. a) absolute max occurred at $x = -1$

b) absolute max value at $y = 3$

c) absolute min occurred at $x = 1$

d) absolute min value at $y = -1$

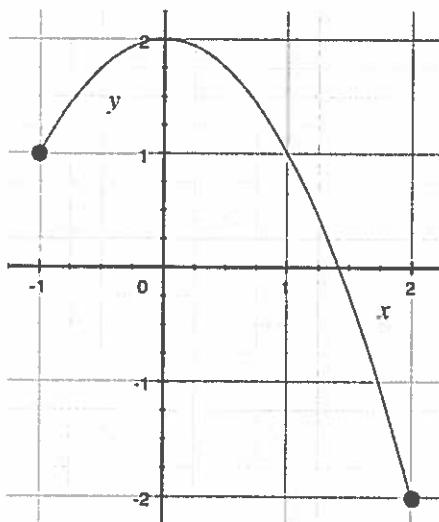


2. a) absolute max occurred at $x = -1$

b) absolute max value at $y = 2.5$

c) absolute min occurred at $x = 1$

d) absolute min value at $y = 1$



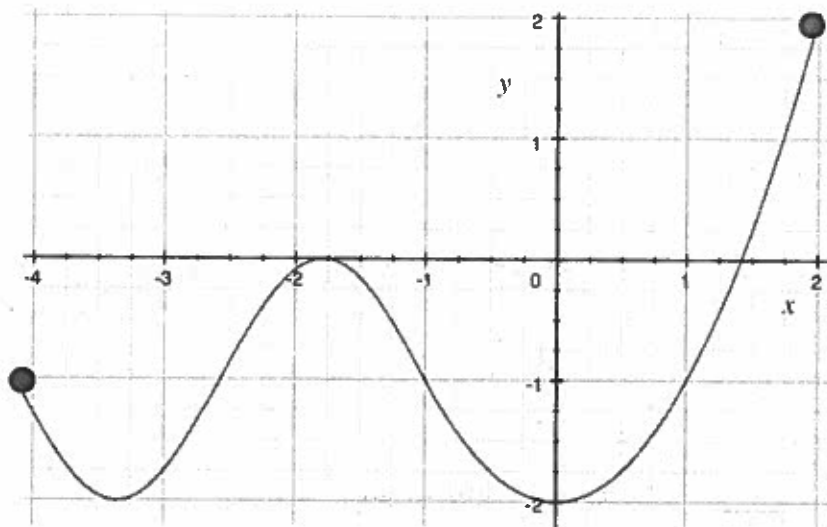
3. a) absolute max occurred at $x = 0$

b) absolute max value at $y = 2$

c) absolute min occurred at $x = 2$

d) absolute min value at $y = -2$

Write your First name: _____



4. a) absolute max occurred at $x = 2$

e) critical max(s) occurred at $x = -1.75$

b) absolute max value at $y = 2$

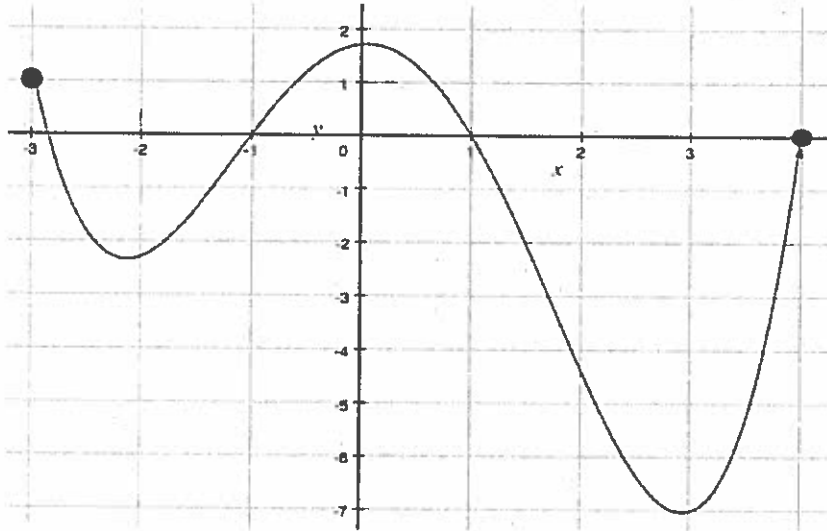
f) critical max(s) value at $y = 0$

c) absolute min occurred at $x = -3.3, 0$

g) critical min(s) occurred at $x = -3.3, 0$

d) absolute min value at $y = -2$

h) critical min(s) value at $y = -2$



5. a) absolute max occurred at $x = 0$

e) critical max(s) occurred at $x = 0$

b) absolute max value at $y = 1.75$

f) critical max(s) value at $y = 1.75$

c) absolute min occurred at $x = 3$

g) critical min(s) occurred at $x = -2, 3$

d) absolute min value at $y = -7$

h) critical min(s) value at $y = -2.3, -7$