I can analyze a function #3

Name_____

Date_____

Advanced Algebra

I can analyze a graph

Assignment #12

1) Graph $y = 2\sqrt[3]{(x-3)} - 4$

a) State the y intercept_____

b) State the x intercept_____

c) Does this function have a maxima or minima? If so identify them

c) Using proper math terminology what is the domain?

d) Using Proper math terminology what is the range?

e) For what x values is f(x) increasing?

g) For what x values is f(x) decreasing?

2) Draw the graph y = $\sqrt[2]{(x+3)}$ -6

a) State the y intercept_____

b) State the x intercept_____

c) Does this function have a maxima or minima? If so identify them

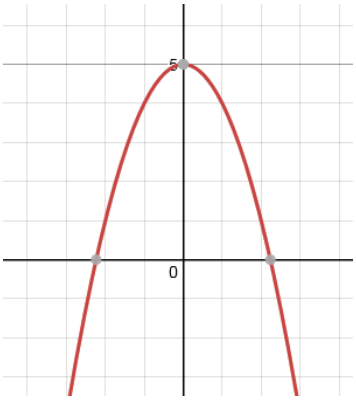
d) Using proper math terminology what is the domain?

e) Using Proper math terminology what is the range?

f) For what x values is f(x) increasing?

g) For what x values is f(x) decreasing?

What is true about the rate of change for the function shown to the right when -3$< x <$ 0?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