0.. ###.Firstname.Lastname.Q5 _____ M131 Q5 (c) sp25, A. Azzolino

00. This is an open book, open notes, calculator & internet use permitted test, BUT, no humans and no artificial intelligence are permitted. By my initials, I swear no one has helped me, I have not used artificial intelligence, & I have helped no one with this test. _____

000.My email address is : _____

0000. Print the quiz. Write work/answers on the test. Produce a digital copy. Rename it using ###.First.Last.Q5 etc. Attach it to email & send to blue@mathnstuff.com or purple@mathnstuff.com.

00000. Write your ###.First.Last.Q5.p__ on each page OR NOT CREDIT FOR PAGE!!

000000. State the web pages or text pages used on this assignment.

Remember, write a number as a number, c, a point as point, (c, f(c)), a line as a line, x=c or y=mx + b, and the correct interval endpoints, (or [. Just for yourself, it may help you to, at each point of importance on graph, LABEL THE POINT WITH A CAPITAL LETTER.

Answers to:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. interval(s) on which function is

8a. increasing _____

8b. decreasing _____

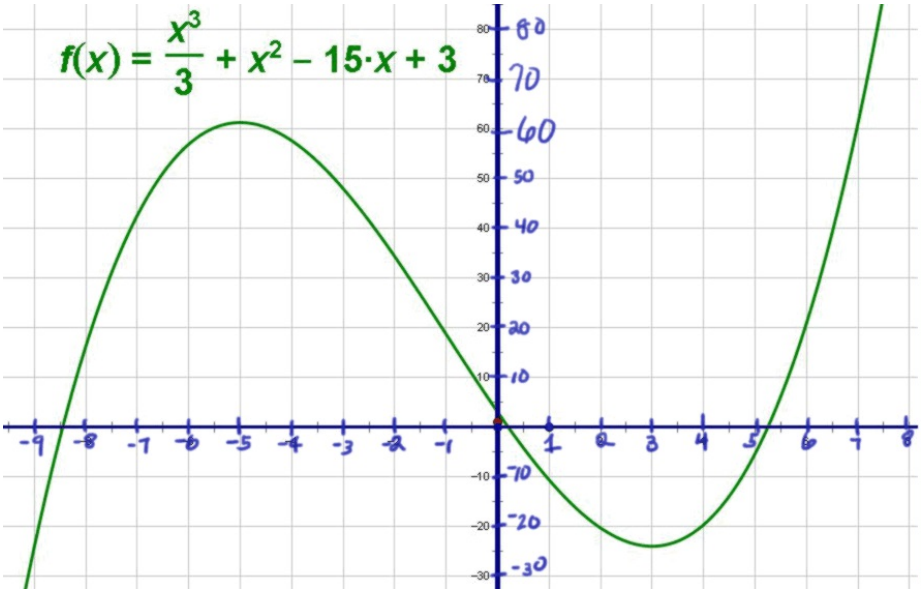
9. _____

10. _____

11. end behavior

11a. as x goes to positive infinity _____

11b. as x goes to negative infinity _____



Remember to write a number as a number, c,
a point as a point, (c, f(c)), a line as a line, x=c or y= mx +b.

State the
1. x-intercept(s)
2. critical number(s)
3. critical point(s)
4. relative maximum(s)
5. relative minimum(s)
6. absolute maximum(s)
7. absolute minimum(s)
8. interval(s) on which function is
8a. concave up
8b. concave down
9. inflection point(s)
10. asymptote(s)
11. end behavior
11a. as x goes to positive infinity
11b. as x goes to negative infinity