02/01/2024 Coefficients

I’ve been thinking about math again☺ Specifically, I was thinking about polynomials. Terms, monomials, binomials, trinomials, the leading coefficient of each term, and graphing polynomials in GeoGebra.

What is a coefficient? I know that a bullet has a ballistic coefficient. I also know that changing the coefficient changes the look of a parabola when you graph it in GeoGebra. Other than that, not much else. Let’s look at the following polynomial contained within the quadratic equation.

In the before noted equation, a, b and c are coefficients (c is a constant.) To be more precise, the first is the quadratic coefficient, the second is the linear coefficient, and the last is the constant coefficient. The leading coefficient is the coefficient of the first term (or of the highest degree), in this case it would be a. The first terms variable x has a degree of 2. Coefficients are usually an integer. If there is no coefficient than it is assumed to be 1. The coefficient is a multiplicative factor of the variable within the polynomial.

This is all great but what is it for? Turns out we can gather some information concerning the sum of the roots and the product of the roots. Not quite sure how to do that yet.

All of this is enough for me to “chew on” for a bit. I think I’m going to see if I can login to my old GeoGebra account and play around a bit.

02/04/2024 Unit Circle

Some Old Hippie, Caught Another Hippie, Tripping On Acid. And that is the mnemonic I used to learn the trig functions☺

The radius of a unit circle is 1 and the angle is called theta. A good site to explore the unit circle is <https://www.mathsisfun.com/geometry/unit-circle.html>.

02/06/2024 More Math

Solve for x

The value of b is when x = 0.

02/07/2024 Note

As the day progressed, I realized once again I have picked up a cold. Unbelievable how many different colds have been going around. I think we were on to something during lockdown☺ Math is still all I am thinking about. I logged into my Khan Academy account and started Algebra I class. We’ll see how that goes.

02/08/2024 Culver’s Walleye Fish Sandwich

Thomas (from the dive team) texted the group and stated Culver’s has a Walleye fish sandwich. So, we decided to give those a try for supper tonight.

02/14/2024 Past week update

My Friday morning bus commute was exciting☺ The weather was drizzly and the temperature was hovering around freezing. Most of my route was fine except for the intersection of Mishawaka Rd and Horseshoe Lake Rd. As I slowed down to turn left, bus 34 slid into the guardrail causing the passenger side bumper to bend and get lodged into the front wheel. After getting myself out of the intersection and safely parked, the sand truck drove by…of course. And of course, Julie Sandstrom then also had to drive by…of course☺ Greg Olson showed up and was able to use a tow strap and bent the bumper back so I could continue my route. We later figured out from watching the on-board video cameras, several delinquents took advantage of the situation and vaped while we were busy…

On Saturday, I missed dive team pool training due to a continuing dull scratchy throat and cold that has lingered for far too long. Friday night beverages also may have contributed☺ Hopefully I’ll figure out a way to contribute more of my time to scuba diving, it’s been hard with my current employment.

Sunday, we had Megan and Kassi over for Super bowl LVIII. The Kansas City Chiefs played the San Francisco 49ers in Las Vegas. Tiffany made chili, boneless wings and other appetizers. Megan and Kassie also brought over some appetizers and desert. The Chiefs prevailed in overtime 22 to 25. I was rooting for the 49ers because I think Mahomes is full of himself☺ But of course the main attraction was Taylor Swift and Kelce. Tiffany was thrilled that Swift won the super bowl! I didn’t think much of the halftime show and none of the commercials seemed that funny. The game seemed to go on forever, but that could be due to the fact we all had to get up early for work.

In order to progress with algebra, I decided it is essential to memorize all prime numbers up to one hundred. In order to accomplish this, I broke down all of them into groups of five. So far, I have managed to memorize three groups. Every day, especially while driving bus, I have been repeating them.

2, 3, 5, 7, 11

13, 17, 19, 23, 29

31, 37, 41, 43, 47

53, 59, 61, 67, 71

73, 79, 83, 89, 97

For Valentine’s Day, I got Tiffany some smoked salmon from S&S meats and some Steve’s hot sauce. We had take-out from El Potro and then relaxed for the evening in anticipation for work and school.