Math in my daily life.

The exam two materials have happened in my daily life, especially the lines and slops part or section 2.3. The slope is a measure of the steepness of a line, or a section of a line, connecting two points. You can find the slope of something on a graph or in real life by finding out the rise and the run of it. To find the rise and run of a slope on a graph is the run is up or down and the run is left or right depending on the type of slop it was. The equation for a slope is y2 minus y1 over x2 minus x1. By using this formula anyone can find the slop of something. There are four types of slopes the first being the positive which is a diagonal line going up. The second is a diagonal line going down, the negative slope. The third is the zero slope which is a vertical line and that means the y Cordiant never changes no matter where the x is. The last one is a horizontal line called the undefined slope and that means the x Cordiant never changes no matter where the y is. The real-life example of slope that actually helped me was when my family is getting ready for Christmas. We decorate a little earlier than most people, but our Christmas tree was a little uneven on the slopes and it was my job to make it even and cut the exes off. Our Christmas tree was kind of big, and the unevenness was really noticeable. I had to trim off the negative slope on the right side and some of the zero slope because it became a positive slope a little bit. To find the exact amount of tree I need to trim off I measured our tree and put it on a graph to find out what needs to be done. Our Christmas tree is about 8 feet tall, so I made the graph ten tics tall and ten tics on each side, but the bottom was zero. I put the trunk on the y axis, so it would be symmetric and then drew the lines on the I put one side of the tree on quadrant one and the other on quadrant two. Each foot of the tree represents a tic on the graph. After putting the tree on a graph this is what I found. To find the negative slope side of the tree I used the slope formula. The coordinates for that side of the tree are (0,8) and (3,3.5). by using the formula 3.5 minus 8 over 3 minus 0 and that equals -3/2 or -1.5 that’s the slope for that side. To find the positive slope side did the same thing as the negative. The cords for the positive side are (2,1) and (0,8). By using the formula 8 – 1 over 0 – 2 and that equals -7/2 or -3.5. the bottom of the tree that’s supposed to be the zero slope has the coordinates of (2,1) and (3,3.5). by using the formula 3.5 – 1 over 3 – 2 = 5/2 or 2.5. these are all the slopes of the sides, but I still had to cut some of it off. I can keep the positive slope alone because it was the size we wanted. I wanted the negative slope to have a slope of -13/4 and I subtract -3.2 from that so I had to cut off about 7/4 of the tree to make it even. To make the base a zero slope I had to cut off about half a foot and that made the slope cords (2,1.5) and (2,1.5). now that I have got the slopes of the tree it is a perfect Christmas tree. Its all decorated and ready for presents and thanks to what I learned about slopes really helped.