

Math 212

Problem of the Week 1

Due: Friday 10/10 4:30 pm

This problem will be graded using the Official Mathematics State Scoring Guide

Refer to the Homework Directions and Scoring Information page linked to our homepage for more information

POW 1

You have no money in your wallet, so your mother gives you some money to go to the mall to hang out with your friends. You need your caffeine fix, so you first head over to Tully's and spend  $\frac{1}{21}$  of your money on a Latte. You then head over to R.E.I. and spend  $\frac{1}{8}$  of your remaining money on a pair of snowboarding socks. Next, you go over to Best Buy and waste  $\frac{1}{5}$  of your remaining money on the Lindsay Lohan CD. You then find a cool t-shirt that says "5 out of 4 people can't do fractions." You find this amusing, so you spend  $\frac{2}{7}$  of your remaining money on this shirt. Finally, you and your friends are hungry. You spend  $\frac{3}{4}$  of the remaining money by treating your friends to lunch at Chili's. You finally go home and give your mom \$10 back. How much money did you start out with and how much did each item cost?