Problem of the Week
Problem #4
Due 10/07/16

Michelle is driving in a large flat desert, and after every mile of driving she turns either left or right by angle of A degrees, possibly shifting between forward and reverse after the turn. After her 9th turn she is back where she started, ready to retrace her route, although perhaps facing backwards relative to her starting positon. What is the smallest angle A she could be using? You may assume that each turn takes a negligible distance to accomplish.

Submit your work and solution at the next Talk Math 2 Me or to Joni Schneider at js1824@txstate.edu with your name, student ID (A00...), major, classification, what math course you are currently taking, and email.