

Level 2

Calculate the position and the direction of the rover after driving a certain distance with a certain steering angle.

Input: WheelBase Distance SteeringAngle
(3 floating point numbers)

Output: x y NewDirection

(3 floating point numbers,
rounded to two digits)

x,y ... x,y position relative to starting position

NewDirection ... $0 \leq \text{NewDirection} < 360$

Example:

Input: 1.00 1.00 30.00

Output: 0.24 0.96 28.65

