



Challenges:

Challenge 1: Write a program that uses right turns to spin Rover a total of 360 degrees.

Note: `rv.right(angle)` is found on the Fns>Modul>ti_rover>Drive menu.

Challenge 2: Write a program to turn Rover in a circle using the `rv.right()` or `rv.left()` functions.

After each turn, display the total angle turned from the starting point on the calculator screen.

For each turn include: 1) functions to turn (right or left), 2) to print the total angle turned so far and 3) a `sleep()` function to pause the program for the time that it takes Rover to complete each turn.

Note: `print()` is found on the Fns>I/O menu.
`sleep()` is found on the Fns>Modul>TI-Rover>Commands menu.

Challenge 3: Write a program using a For loop to turn three circles to the right and then three circles to the left in steps of 90 degrees.

Display the total of degrees turned by the Rover at each step on the calculator screen.

Note: Find `for i in range(size):` on the Fns>Ctl> menu.
`i` is the index variable
The initial value of `i` is 0
The value of `i` increases by 1 after each loop
The loop repeats again if `i` is less than the range size value.

Challenge 4: Write a program using Rover to model the hour hand on a clock.

Turn the Rover to stop at each hour of the clock.

Display the value of the current hour on the calculator display.

Note: Use what you have learned in the previous challenges to solve this challenge.