

## CSC108H Worksheet: Functions and Booleans

Complete the following functions.

```
1. def same_abs(num1, num2):
    """ (number, number) -> bool

    Return True iff (if and only if) num1 and num2 have the same absolute value.

    >>> same_abs(-3, 3)
    True
    >>> same_abs(3, 3.5)
    False
    """
```

```
2. def different_types(obj1, obj2):
    """ (object, object) -> bool

    Return True iff obj1 and obj2 are of different types.

    >>> different_types(3, '3')
    True
    >>> different_types(108.0, 3.14)
    False
    """
```

```
3. def is_right_triangle(side1, side2, hypotenuse):
    """ (int, int, int) -> bool

    Return whether a triangle with sides of length side1, side2 and hypotenuse
    is a right triangle.

    >>> is_right_triangle(3, 4, 5)
    True
    >>> is_right_triangle(2, 2, 4)
    False
    """
```