

MTH 337, Sample Quiz 1

Fall 2020

You will have **15 minutes** to take the actual quiz in Gradescope. The quiz will start exactly **5 minutes** after the start of class, 9:15 AM, and will close at 9:30 AM.

1. Given $a = 20$ and $b = 5$, use one line of code to get the number 125 using arithmetic with a and b only.
2. Import the `cos` function from the `math` module.
3. Write the LaTeX code you would use in a markdown cell to produce the displayed equation

$$y = \frac{1}{2}x^2 + 1$$

4. Identify and correct the error in the following code:

```
sum = 0
for i in range(100):
    sum += i
```

5. Create a list of five words.
6. Use a loop to string those words into a 'sentence'.
7. Describe in words what the following code does:

```
if p % 5 == 0:
    pass
else:
    sum += p
```