Math 123-01
Fall 2025
Dr. Lily Yen

Quiz Four

Show all your work

Name: ____________
Number: ____________
Signature: ____________
Score: ___/10

Problem 1: Answer the questions. Write out steps for each; provide a two-decimal place accuracy when appropriate. One mark per part except two marks for the last part.

a. Convert the fraction *twenty-three eighths* into a percent.

b. Find 17 % of 500.

c. Janette wants to buy 6 bags of Halloween candy priced at \$10 each. With BC's 12 % combined tax on candy, how much does Janette need to pay in total?

d. Out of Brian's collection of books, 10 % is comics. If Brian has 42 comic books, how many of his books are NOT comics?

e. David treated his mother to a Mother's Day Brunch at Queen Elizabeth's Theatre's Browns Social House. He saved \$120 for this occasion to cover a 15 % tip and a 12 % service tax. What was the maximum they could order to stay within his budget of \$100?

Score: /5

Problem 2: Brian's grandmother is offered by her bank three options for a \$10 000 guaranteed investment certificate (GIC):

a. 3.6 % compounded weekly.

b. 3.75 % compounded semi-annually; or

c. 3.69 % compounded monthly.

Compute the interest after one year in each case and decide which option earns Janette's grandmother the most. (Use 52 weeks per year.)

Score: /5