

Math 123-02
Spring 2026
Dr. Lily Yen

Assignment 4

Show all your work

Name: _____
Number: _____
Signature: _____
Score: ____/10

Problem 1: Answer each question to two decimal place accuracy when appropriate. Write out steps for each.

a. Convert the fraction *five thirds* into a percent.

b. Find 30% of 190.

c. What percent of 20 is 7?

d. 14 is 2% of what number?

e. When you pay a 55-dollar monthly cellphone/data package, how much do you need to pay in total including taxes every month? Hint: We have a 5% GST and 7% PST.

f. A 2019 study showed that \$10.6 billion was spent on plastic surgery-related diseases in Canada. Almost 10.1% of this cost was the treatment of melanoma (skin cancer).

How much in dollars was the cost of treating melanoma patients?

Score: /6

Problem 2: David's grandmother needs to decide which of the following two investment options is better: an annual interest rate of 2.9% compounded daily or an annual interest rate of 3.1% compounded quarterly. Show all calculation which leads to your conclusion.

Score: /2

Problem 3: Janette's mother invests \$50 000 at a rate of 2.75% compounded monthly. How long will it take to double her investment?

Score: /2