

Name: _____

MATH 101

Fall 2023

HW 6: Due 10/02

"I see the muscle shirt came today. Muscles coming tomorrow? Did ya' get a tracking number? Oh, I hope he got a tracking number."

–Daryl, Letterkenny

Problem 1. (10pt) Showing all your work, compute the following:

- (a) 83% of 1,295
- (b) 3% of 920
- (c) 99% of 67
- (d) 165% of 81
- (e) 20% of 45.30

Problem 2. (10pt) Showing all your work, compute the following:

- (a) 560 increased by 4%
- (b) 357 decreased by 23%
- (c) 993 decreased by 95%
- (d) 55 increased by 105%
- (e) 89.4 increased by 224%

Problem 3. (10pt) Your biology class course grade is determined by the following components:

Homeworks	30%
Labs	20%
Midterm	20%
Final	20%
Project	10%

Suppose that your homework average was 86%, your lab average was 75%, your midterm average was 68%, your final grade was 81%, and your project grade was 92%.

- (a) Compute your course average.
- (b) If the final exam had not yet occurred, i.e. you had not yet received the 81%, but all the other course grades were as listed above, then what is your current course average?

Problem 4. (10pt) Suppose you received the following grades this semester:

Course	Credits	Grade
CS 320: Ethics in a Technological Society	3	C+
CS 380: Networking	4	B+
CS485: Web Programming	3	B-
CS 424: Data Mining	3	A-
ECON 101: Principles of Macroeconomics	3	A

Given the following grade values,

Grade	Values	Grade	Values
A	4.0	C+	2.3
A-	3.7	C	2.0
B+	3.3	C-	1.7
B	3.0	D	1.0
B-	2.7	F	0

- (a) Compute your semester GPA.
- (b) If your previous GPA based on 76 credits was 3.012, what is your current overall GPA?