

Name: _____
MATH 101
Spring 2024
HW 8: Due 02/19

"It's always helpful to learn from your mistakes because then your mistakes seem worthwhile."

— Gary Marshall

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

- (a) The perimeter of a rectangle that is 2×8 .
- (b) The circumference of a circle with diameter 7.
- (c) The perimeter of a square with side measure 6.
- (d) The perimeter of a 3-4-5 right triangle.

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

- (a) The area of a rectangle that is 2×8 .
- (b) The area of a circle with diameter 7.
- (c) The area of a square with side measure 6.
- (d) The area of a 3-4-5 right triangle.

Problem 3. (10pts) Showing all your work, compute the following:

- (a) The volume of a rectangular box that is $5 \times 4 \times 10$
- (b) The surface area of a rectangular box that is $5 \times 4 \times 10$.
- (c) The volume of a sphere with radius 4.