Assignment 1
Due date: Quercus September 20, 2024 at 9pm EST

Upload your solutions to the marked questions to Quercus. Please show/explain all your work necessary to justify your answers. You do not need to submit answers to the unmarked questions.

Marked questions

1. Suppose you invent a new unit, known as a metric beard length, where 1 metric beard length is defined to be 7.294 inches, where 1 inch is equal to 2.542 cm. If the CN tower is 533 m tall, what is its height in metric beard lengths? **(2 marks)**

2. A car travels 50.0 m right with a constant speed of 10.0 m/s. Once it travels that distance, it immediately turns around and travels for another 3.0 s in the opposite direction with a speed of 5.0 m/s. You can assume that it turns around instantaneously **(6 marks)**

    a. Calculate the distance and displacement that the car travels during the total