

Name : _____

Mixed Review

Sheet 2

Round your answer to two decimal places.

- 1) Sgt. Fletcher of the US Quartermaster Corps is in charge of stores and supplies in a military base with 806 soldiers. The food stock is sufficient for 26 days. How many days will the supply of food last, if there are 676 soldiers?

- 2) The cephalic index of a subject varies directly with maximum width of the head and inversely with its length. A subject with a maximum width of 15 cm has a cranial index of 80. Calculate the cranial index of a subject whose maximum width is 15.75 cm and head length is 19.94 cm.

- 3) A passenger cruise ship is traveling at a speed of 21 knots to reach its destination. How many hours will it take to reach its destination if it accelerates the speed to 24 knots?

- 4) The surface area of a conical party hat with a surface radius of 3 inches. Determine the slant height of 4 inches.
- 5) Esther created a festive banner with a surface area of 30 square inches and slant height of 3 inches and a slant

- 5) Jared spends \$1,315 on accommodation for a 5-day trip to New York city. If he extends his stay for 7 more days, how much would Jared have to pay for his entire stay?

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