

PQ #15

MTH 1825 Practice Quiz for Word Problems from Section 6.6

For each question, set up an equation and solve it algebraically.

1. Alicia drove 340 miles using 23 gallons of gas. At this rate, how many miles would she drive using 28 gallons of gas? Round to 2 decimal places.

Answer: \_\_\_\_\_

2. The ratio of men to women working at a company is 7 to 5. If there are 312 employees total, how many women work for the company?

Answer: \_\_\_\_\_

3. Left on together, the cold and hot water faucets of a certain bathtub take 7 minutes to fill the tub. If it takes the hot water faucet 17 minutes to fill the tub by itself, how long will it take the cold water faucet to fill the tub on its own?

Answer: \_\_\_\_\_