

Bellwork Alg 2 Monday, August 26, 2019

1. I drive a truck that gets the following gas mileage: 26 mpg.

You drive a car that gets the following gas mileage: 38 mpg.

We are going on a vacation together but are driving separately. The entire trip will cover a distance of 600 miles. Gas will cost \$2.80 per gallon.

How much more money, to the nearest penny, will I spend on gas for the entire trip? Show your work.

For the remaining problems determine the pattern that was used to create the given sequence of numbers then find the next three terms in each sequence.

2. 12, 19, 26, 33, 40, ...

3. 32, 48, 72, 108, ...

4. 64, 48, 36, 27, ...

5. 13, 16, 22, 31, 43, ...

6. 12, 36, 180, 1260, ...

7. 500, 499, 495, 486, 470, ...