

PreCalculus Quiz

Your Name:

1. Find the sum of the infinite geometric series.

$$1728 + 1296 + 972 + 729 + \dots$$

2. Express the repeating decimal as a fraction.

$$0.141414\dots$$

3. I deposit \$2500 per year into an account that pays 9% interest per year. After 15 years, how much money will be in the account?

4. I buy a \$900 sofa, with a monthly payment plan. 24 equal monthly payments are to be made. The annual interest rate is 10%. What is the amount of a monthly payment?

5. I pay \$278 per month for my car, over a period of 5 years. If the interest rate is 12% per year, compounded monthly, what is the price of the car?