

Name _____ Quiz 6.1

- 1) Given the sequence 4, 7.2, 12.96, 23.328,
 - a. What is the starting value?
 - b. What is the constant multiplier?
 - c. Write a recursive routine that gives the sequence.

- 2) Mr. Towne has \$250 in his lifetime saving account.
 - a. If it will grow 4% a year write what would type into a calculator to find out how much he'll have in one year.

 - b. Suppose it doesn't grow, but Mr. Towne spends 60% of it each year. Explain how you would use a calculator to find out how much he'll have in **two** years.

Name _____ Quiz 6.1

- 1) Given the sequence 5, 9.5, 18.05, 34.295,
 - a. What is the starting value?
 - b. What is the constant multiplier?
 - c. Write a recursive routine that gives the sequence.

- 2) Mr. Towne has \$350 in his lifetime saving account.
 - a. If it will grow 5% a year write what would type into a calculator to find out how much he'll have in one year.

 - b. Suppose it doesn't grow, but Mr. Towne spends 70% of it each year. Explain how you would use a calculator to find out how much he'll have in **two** years.

Name _____

- 1) Given the sequence 6, 10.2, 17.34, 29.478,
 - a. What is the starting value?
 - b. What is the constant multiplier?
 - c. Write a recursive routine that gives the sequence.

- 2) Mr. Towne has \$450 in his lifetime saving account.
 - a. If it will grow 6% a year write what would type into a calculator to find out how much he'll have in one year.

 - b. Suppose it doesn't grow, but Mr. Towne spends 80% of it each year. Explain how you would use a calculator to find out how much he'll have in **two** years.

Name _____

- 1) Given the sequence 7, 11.2, 17.92, 28.672,
 - a. What is the starting value?
 - b. What is the constant multiplier?
 - c. Write a recursive routine that gives the sequence.

- 2) Mr. Towne has \$550 in his lifetime saving account.
 - a. If it will grow 7% a year write what would type into a calculator to find out how much he'll have in one year.

 - b. Suppose it doesn't grow, but Mr. Towne spends 90% of it each year. Explain how you would use a calculator to find out how much he'll have in **two** years.