

Name: \_\_\_\_\_ No. \_\_\_\_\_  
MATH 206 Quiz 3: 10/04/23

You may use a calculator. You have 10 minutes to complete the quiz. There are 10 points possible.

- 1 (6pts) Suppose the recurrence relation is  $t_n = 2t_{n-1}$  with initial condition  $t_1 = 3$ . What are the first 6 terms of this sequence?

- 2 (4 pts) Suppose the recurrence relation is  $t_n = 2t_{n-1}$  for  $n \geq 2$  with initial condition  $t_1 = 3$ . How could we describe the  $n$ th term of this sequence?