

Student: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

## Arithmetic and geometric sequences and series

### Student Activity Sheet 3; *Exploring* "Geometric sequences and series"

Page 1 of 5

---

2. The drama club will give one performance every night except Sunday and Monday for two weeks (ten nights). Club members believe that revenue from the first night's production will be approximately \$3500. For each night after that, they think the revenue will be 70% of the previous night's revenue. Use this information to estimate projected revenue for each of the first five nights of the production. Then write a function rule that models this situation.