

Topic 5: F.BF 2 Exit Slip

Name _____ Period _____ Date _____

1. Given the sequence: 2, 6, 18, 54, ... which is defined explicitly by the formula $a(n) = 2 \cdot 3^{n-1}$. Determine the recursive equation for sequence.

2. The amount of bacteria in a person's blood stream is doubling ever day. Initially there were 100 bacteria present. Write an explicit equation to determine the number of bacteria in the bloodstream on day n . Between which two days will there be 10,000 bacteria in the person's bloodstream?