http://math.mnrt.net/

Name _____Date_____ _____ raw _____ percent

Math 11 Trimester 3 Quiz 3 (20 Points)

Progressions

This is to take home. Due on Monday. Since the answers are on the back, credit will be based on the solutions you write. Please, only final copy solutions to be turned in. No messy stuff.

[1] Find the general term of the sequence *3, 12, 27, 48, 75, 108, 147, 192, ….*

[2] Find the least number of terms of the geometric sequence *4, 8, 16, 32, …* which must be taken for their sum to exceed *500*.

Answers. [1] $a_n = 3\,n^2$ [2] $n = 8$