

## Answers to Worksheet 38 - Lesson 99

- 1) 0.629                      2) 3.542                      3) 1.114                      4) Undefined  
5) 1.748                      6) 0.963                      7)  $x = n^{n^2}$                       8)  $x = 1$  and  $x = n^{\sqrt[3]{256}}$   
9) Common Ratio:  $r = 4$                       10) Common Ratio:  $r = 2$                       11) -12, -48, -192  
    Explicit:  $a_n = 2 \cdot 4^{n-1}$                       Explicit:  $a_n = -3 \cdot 2^{n-1}$   
12) 8, 16, 32, 64                      13) (-3, -27) or (27, 3)                      14)  $17 + 12\sqrt{2}$   
15) Arithmetic Mean: 15,                      16) 16 feet

Geometric Mean:  $4\sqrt{11}$  and  $-4\sqrt{11}$