## Quiz 3 Calc $2 \quad 3 / 7 / 23$

Each question is worth 5 points. Show good justification for full credit. Don't panic.

1. Find, correct to at least 4 decimal places, the first three partial sums of the series

$$
\sum_{n=1}^{\infty} \frac{1}{n^{3}}
$$

2. Determine the exact sum of the geometric series

$$
5-\frac{10}{3}+\frac{20}{9}-\frac{40}{27}+\ldots
$$

