|  |  |
| --- | --- |
| Group Quiz 4Dusty Wilson Math 153 No work = no credit | **Name**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Decide whether the series  converges or diverges. If it converges, find the sum. Justify your answer.

Decide whether the series  converges or diverges. If it converges, find the sum. Justify your answer.

How many terms of the convergent *p*-series  must be summed to obtain an approximation that is within 0.001 of the exact value of the series?