

MA 182 GROUP WORK (8.2)

NAME \_\_\_\_\_

1. Find the sum of the series

A.  $2 + \frac{1}{2} + \frac{1}{8} + \frac{1}{32} + \dots$

B.  $\sum_{n=1}^{\infty} \frac{1}{n(n+2)}$

2. Show that the series  $\sum_{n=1}^{\infty} \frac{n}{\sqrt{3n+2}}$  diverges.