

Math 141
Quiz 5
March 23, 2016

NAME _____

calculators? You don't need no stinkin' calculators

For problems, #1 and #2,



Test the series for **convergence or divergence**.



Name the test utilized.



Support your conclusion.



If convergent, find the **sum**, whenever possible.

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

Test:

Support / work:

Converge/diverge:

Sum, if possible.

2.
$$\sum_{n=0}^{\infty} (-1)^n \frac{2^n}{3^{n-1}}$$

Test:

Support / work:

Converge/diverge:

Sum, if possible.