





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

Test:

Support / work:

Converge/diverge:

Sum, if possible.