

Name: _____

QUIZ for MacLaurin Series Math 121

Directions: Fill in each box with the following 3 things:

1. the MacLaurin Series in summation notation
2. the MacLaurin Series in long form, writing out at least the first 4 non-zero terms
3. The Radius of Convergence.

$e^x =$ = Radius of Convergence $R =$	$\sin x =$ = Radius of Convergence $R =$
$\frac{1}{1-x} =$ = Radius of Convergence $R =$	$\cos x =$ = Radius of Convergence $R =$
$\arctan x =$ = Radius of Convergence $R =$	$\ln(1+x) =$ = Radius of Convergence $R =$