





IV. Review of Exponents: Bottom of page 177
<u>V. The Natural Base e</u> same characteristics as $f(x) = a^x$
(e is approximated from the expression ($1 + 1/x$)× for very large values of x.
Graph $y = 2 \times$ $y = e \times$ $y = 3 \times$
°= 2.71828/828
Ex 6) Use a calculator to evaluate to three decimals.
$f(x) = 100e^{.001x}$ when $x = 12$.