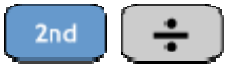
Lesson #8

e

e is a mathematical constant that is approximately equal to 2.71828. *e* is used in growth and decay problems in science and in finance, and has many other applications. To enter *e* into the calculator, press 

. Pressing 

when entering only *e* shows the calculator's approximation for *e*.

Set 1 – Evaluate the expressions below.

LP#1 $e=$	$8e=$	$-2e=$	$20e=$
LP#2 $6e=$	$-0.75e=$	$15e=$	$31e=$
R#1 $2e=$	$0.5e=$	$-10e=$	$13e=$
R#2 $9e=$	$12e=$	$-30e=$	$18e=$
R#3 $7e=$	$-4e=$	$29e=$	$55e=$

The Powers of *e*

There is a 2nd function on the calculator that can be used to find the powers of *e*.

To find a power of *e*, press 

and enter the desired exponent.

Set 2 – Evaluate the following expressions.

LP#1 $e^{3}=$	$e^{10}=$	$e^{-5}=$	$e^{-6}=$
LP#2 $e^{5}=$	$e^{2}=$	$e^{-3}=$	$e^{-4}=$
R#1 $e^{7}=$	$e^{8}=$	$e^{-11}=$	$e^{-10}=$
R#2 $e^{9}=$	$e^{4}=$	$e^{-7}=$	$e^{-2}=$
R#3 $e^{11}=$	$e^{6}=$	$e^{-9}=$	$e^{-8}=$