

**LESSON  
9.8****Graphing Calculator Activity Keystrokes***For use with the lesson "Compare Linear, Exponential, and Quadratic Models"***TI-83 Plus****Example 1**

From the home screen, enter the following to clear lists  $L_1$  and  $L_2$ .

**STAT** 4 **2nd** [L1] , **2nd** [L2] **ENTER**

**STAT** 1

Move cursor to list  $L_1$ .

0 **ENTER** 1 **ENTER** 2 **ENTER** 3

**ENTER** 4 **ENTER**

Move cursor to list  $L_2$ .

15.8 **ENTER** 30.7 **ENTER** 46 **ENTER**

75.7 **ENTER** 104 **ENTER**

**2nd** [STAT PLOT] 1 **ENTER** ▼

**ENTER** ▼ **2nd** [L1] **ENTER**

**2nd** [L2] **ENTER** **ENTER** **WINDOW**

(-) 1 **ENTER** 9 **ENTER** 1 **ENTER** (-)

20 **ENTER** 160 **ENTER** 20 **GRAPH**

**STAT** ► 0 **2nd** [L1] , **2nd** [L2]

**ENTER** **Y=** 17.5 ( 1.6 ) ^

**X,T,θ,n** **GRAPH**

**Example 2**

From the home screen, enter the following to clear lists  $L_1$  and  $L_2$ .

**STAT** 4 **2nd** [L1] , **2nd** [L2] **ENTER**

**STAT** 1

Move cursor to list  $L_1$ .

0 **ENTER** 3 **ENTER** 6 **ENTER** 9

**ENTER** 12 **ENTER** 15 **ENTER**

Move cursor to list  $L_2$ .

500 **ENTER** 31000 **ENTER** 76000

**ENTER** 135500 **ENTER** 201500

**ENTER** 360000 **ENTER**

**2nd** [STAT PLOT] 1 **ENTER** ▼

**ENTER** ▼ **2nd** [L1] **ENTER**

**2nd** [L2] **ENTER** **ENTER** **WINDOW**

(-) 3 **ENTER** 18 **ENTER** 3 **ENTER**

(-) 50000 **ENTER** 400000 **ENTER**

50000 **GRAPH** **STAT** ► 5 **2nd** [L1] ,

**2nd** [L2] **ENTER** **Y=** 1440 **X,T,θ,n**

$x^2$  + 1010 **X,T,θ,n** + 8000 **GRAPH**