

**Part I Tables**

1. Complete a table of values for the function  $f(x) = 0.08x - 7.03$ , starting with  $x = 8$  and using increments of 5.

$x$					
$y$					

2. Complete a table of values for the function  $f(x) = 9x^2 - 7x + 4$ , starting with  $x = -3$  and using increments of 0.5.

$x$					
$y$					

3. Complete the table of values for the function  $f(x) = 2.3x - 0.1386$ .

$x$	-90	-1		50	200
$y$			0		

4. For  $f(x) = -9.72x + 8.77$ , evaluate the following.

a)  $f(3)$                       b)  $f(-6)$

5. For  $f(x) = -9.72x + 8.77$ , find  $x$  if  $f(x) = 38.78$ .

6. Use the **ASK** table set feature to complete the table for the function  $f(x) = -9.72x + 8.77$ .

$x$	-3.77	-0.877	8.93	94.88	123.45
$y$					

**Part II Graphs**

Graph #7 through #9 using a standard window.

7.  $f(x) = 3x - 16$

8.  $g(x) = -\frac{x}{2} + 4$

9.  $h(x) = \frac{x+2}{3}$

10. Graph  $f(x) = |x-2| - 1$  and evaluate  $f(-3)$ .
11. Is it possible to graph  $x = 3$  on the calculator? Why?
12. A car travels at a constant speed of 40 miles per hour for 3 hours. Complete a table of values for 30-minute intervals. Determine a possible linear function,  $d = rt$ , from the data. Verify your work using the calculator. What is the slope of the line? How does the slope relate to this problem?

time (hr)						
distance (mi.)						