FINDING ZEROS OF QUADRATICS

For each quadratic function, find an appropriate window for the graph on your calculator, draw a sketch of the graph, and find the zero(s) of the function. Round to the nearest thousandth. For each zero, mark out the value in the table at the bottom of the page. The letters that correspond with answers that are not marked out can be unscrambled to reveal a mystery fruit.

$f(x) = 1.3x^2 - 8.1x + 5$			$g(x) = 2x^2 + 23x + 63$		
WINDOW	**SKETCH OF GRAPH**		**WINDOW**	**SKETCH OF GRAPH**	
XMIN = **XMAX =** **YMIN =** **YMAX =**			**XMIN =** **XMAX =** **YMIN =** **YMAX =**		
ZEROS:			**ZEROS:**		
$h(x) = -1.4x^2 - 11x - 17.4$			$j(x) = x^2 + 10x + 22$		
WINDOW	**SKETCH OF GRAPH**		**WINDOW**	**SKETCH OF GRAPH**	
XMIN = **XMAX =** **YMIN =** **YMAX =**			**XMIN =** **XMAX =** **YMIN =** **YMAX =**		
ZEROS:			**ZEROS:**		

M	$x = -5.662$	**I**	$x = 0$	**O**	$x = 5.536$
W	$x = 0.695$	**L**	$x = -3.268$	**A**	$x = -2.407$
C	$x = -2$	**C**	$x = -7$	**P**	$x = 5.646$
A	$x = -4.5$	**T**	$x = 0.354$	**N**	$x = -2.195$
E	$x = -6.732$	**R**	$x = 7$	**O**	$x = 5.327$

UNSCRAMBLE THE MYSTERY FRUIT: _____