

Name: _____

Show work needed to justify your answer.

Date: _____

HW: # 3: Math IBSL - Standard 3 - Drawing Graphs of Functions

5 points

1 Use your GDC to sketch the graphs of the following functions:

a $f(x) = -0.01x^2 + 0.5x + 2.56$

b $g: x \rightarrow 0.44\sqrt{3.2x - 4.1}$

c $y = 2\sin(x + 3) + 2$

2 Given $f(x) = x^2 + 1$, $g(x) = -3x + 2$ and $h(x) = \sqrt{x}$, use your GDC to sketch the graphs of the following:

a $f(x) + g(x)$

b $f(x) - h(x)$

c $f(x) \times g(x)$
