Name_____

Worksheet B -- Graphing Quadratic Functions (Form 1)

This homework is 3 pages!!

This course will place a strong emphasis on graphing (but not with a calculator). Therefore, all graphing handouts should be done WITHOUT A GRAPHING CALCULATOR. You will only put yourself at a disadvantage at test time if you use a graphing calculator for the graphing homework. Please staple all 3 pages together before submitting.
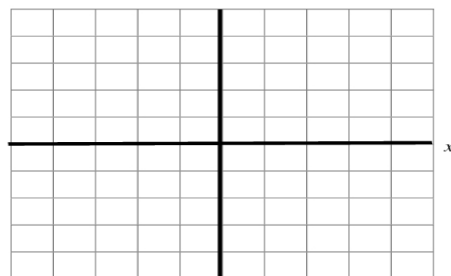
Just like the examples, complete the list of key information, then sketch and label the graph.

1) $f(x) = 2x^2 + 3$.

concavity $\Rightarrow$

y-intercept $\Rightarrow$
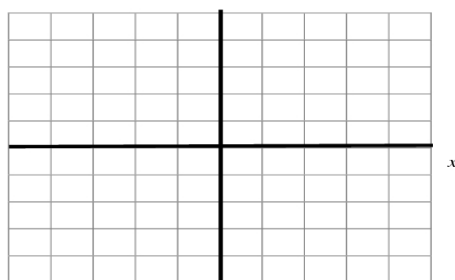
zeros $\Rightarrow$

vertex $\Rightarrow$

One additional point (only if there are no zeros to plot) $\Rightarrow$

2) $f(x) = 3 - \dfrac{1}{2}x^2$

concavity $\Rightarrow$

y-intercept $\Rightarrow$

zeros $\Rightarrow$

vertex $\Rightarrow$

One additional point (only if there are no zeros to plot) $\Rightarrow$