

DUE Tuesday, October 10, 2006

Consider the quadratic equation, $f(x) = 4x^2 + 8x + 3$, and answer the following questions.

- 1) Rewrite the equation $f(x)$ in standard form.
- 2) Identify the coordinates of the vertex of the parabola.
- 3) Identify the y-intercept of the parabola.
- 4) Identify the x-intercepts (if they exist) of the parabola.
- 5) Sketch a graph of the equation, specifically identifying at the vertex and all intercepts.