

NAME \_\_\_\_\_

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**MATH 124 — QUIZ IV**

Sketch the graph of the function  $\frac{x^3 + 4}{2x^2 + x - 1}$ , making sure to indicate the  $x$ - and  $y$ -intercepts and any vertical, horizontal, and/or slant asymptotes. Make your answers as accurate as possible, so give the equations of the asymptotes and give the intercepts with perfect precision (*e.g.*,  $\sqrt{2}$  instead of 1.41421).