> Please show **all** your work! Answers without supporting work will not be given credit.
> Write answers in spaces provided.

Name:_____

1. Find the point(s) on the curve $y^3 = x^2$ closest to the point $(0, 4)$.

   To receive full credit for this problem, you must show all 7 steps, as discussed in Lesson 24-26.
   Hints:

   (a) Step 2: Copy the graph from wolfram alpha

   (b) Step 5: Determine the domain with the graph in Step 2.

   (c) Step 6: When determining the absolute extrema, remember to check your endpoint(s) too.