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

Name:⎯⎯

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

   To receive full credit for this problem, you must show all 7 steps, as discussed in lecture.

   TURN-IN IN CLASS ON FRIDAY!!!