HOMEWORK 14 APPLIED CALCULUS DUE 2013-10-15

Show your work!

- (1) What point(s) on the parabola with equation $y = x^2$ are closest to the point (0,2)? (You will need to know that the distance from (x_1, y_1) to (x_2, y_2) is $\sqrt{(x_1 x_2)^2 + (y_1 y_2)^2}$.)
 - Five book problems: #12.3.36, 38, 43, 48, 49.