MA 341 Homework #7

Due Wednesday, November 5 in Class

1. Handout on More Trigonometric Identities

   (a) Problem 1.

   (b) Problem 2.

   (c) Problem 3.

   (d) Problem 7.

   (e) Problem 8.

   (f) Problem 9.

   (g) Problem 10.

2. Given the line ℓ described by $ax+by+c=0$, and the point $P(x_0, y_0)$, derive a formula, with justification, for the point Q, such that ℓ is the perpendicular bisector of the segment $\overline{PQ}$. Suggestion: Consider the line m through P that is perpendicular to ℓ, and express m in parametric form.