

Name: _____

Panther ID: _____

Worksheet - Oct. 11

MAT 3501

Fall 2016

1. Let $x_1, x_2, x_3 \in \mathbf{C}$ be the roots of the polynomial $p(x) = x^3 + 2x^2 - 3x + 4$. Use Viète's relations to find:
- (a) $x_1x_2x_3$
 - (b) $x_1^2 + x_2^2 + x_3^2$
 - (c) $x_1^3 + x_2^3 + x_3^3$