

PRE-AP ALGEBRA 2

- 1) For each quadratic function $y = f(x)$, use the Quadratic Formula to calculate the roots. Also, state the x - and y -intercepts of each function.

a) $f(x) = x^2 - 14x + 38$

b) $f(x) = x^2 - 8x + 65$

3B.3 CLASSWORK

- 2) Construct a quadratic function $y = f(x)$ which has

a) $x = 13 - \sqrt{3}$

b) $x = 11 + 3i$

as one of its roots. Also, use substitution to verify that the roots obey $f(x) = 0$.