HW6

1. $f(x) = x^2 - 6, \quad p_0 = 1$

$p_1 = 3.5$

$\boxed{p_2 = 2.6071}$

5a. $f(x) = x^3 - 2x^2 - 5 = 0, \quad [1, 4]$

$p_0 = 2$
$p_1 = 3.25$
$p_2 = 2.811$
$p_3 = 2.698$
$p_4 = 2.691$
$p_5 = 2.691$

$\boxed{2.691 \quad @ \; p_5}$