ANSWERS

A) (_____ , _____)

B) _____

C) _____

A) Given: $x = y^2 - 10y + 3$
   The <u>minimum</u> value of x, call it m, occurs for $y = k$.
   Compute the ordered pair (m, k).

B) For what values of the constant m does the following <u>quadratic</u> equation have roots that are real and unequal?

$$2m^2x^2 - 7mx = -3m(1+x)$$

C) Find <u>all</u> values of the constant k for which the equation $(k+7)x^2 - kx + 9 = 0$ has exactly one solution.