Write (only) an analysis and design conforming to the on-line handout *An Analysis and Design Style Guideline* for the following problem statements:

1. (5 points) The function (only) described in Programming Project #7 on page 243 of the textbook to compute and return the gravitational attractive force between two bodies.

2. (5 points) A quadratic equation of the form \( ax^2 + bx + c = 0 \) has real roots if the discriminant \( b^2 - 4ac \) is nonnegative. Write a function (only) `HasRealRoots` that receives the integer coefficients \( a \), \( b \), and \( c \) of a quadratic equation, and returns true if the equation has real roots and false otherwise.