Exercise 2-1: Solve the following equation for $x \in C$, with $C$ the set of complex numbers:

$$5x^2 - 3x = 5$$

(1)

Exercise 2-2: Consider a 2-dimensional vector space equipped with a Euclidean distance function. Given a right-angled triangle, with the sides $A$ and $B$ adjacent to the right angle having lengths, 3 and 4, calculate the length of the hypotenuse, labeled $C$. 
