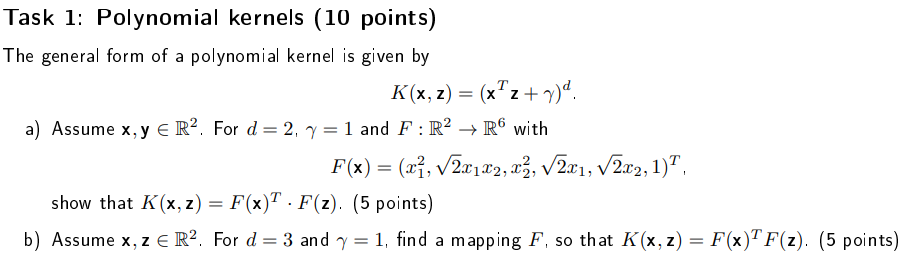
Submission by:

Tikhon Riazantsev

Agastya Heryudhanto

Exercise sheet 7

TASK 1: POLYNOMIAL KERNELS



Solution:

1. Let us first find the result of the kernel function:

Now we can find the dot product of and compare the results:

1. Let us first find the result of the second kernel function:

Assume the following mapping function F and check to see if it fits the criteria:

Which means the mapping function is correct.