MATH 173 PROBLEM SET 9

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Problem 1. \triangleleft Solution.

Problem 2.

Solution.

1. We need $\int_0^1 |x^{\alpha}|^2 = \int_0^1 x^{2\alpha}$ to converge.

Problem 3. \triangleleft Solution.

Problem 4. \triangleleft Solution.

Problem 5. \triangleleft Solution.

Problem 6. \triangleleft Solution.

Problem 7. \triangleleft Solution.