MTH-4106-1 Factoring and Algebraic Fractions Name:

Date:

Quiz#7

Reduce the following algebraic fractions to their lowest terms. Show all the steps in the solutions. (10 marks)

$$1. \quad \frac{9a^2 - b^4}{4a^3b^3 - 12a^4b}$$

$$2. \quad \frac{x^2 - 5x + 4}{48 - 3x^2}$$