## 7 Quiz 7 MAT 1275 Professor Chiu

Name:

- This quiz consists of 3 questions, each worth for a total of 10 points.
- You have 15 minutes to complete the quiz.
- Show all work and justify your answers.
- Scientific calculators are allowed.
- Wishing you success.

1. (3pt) Factor the GCF for the following: 
$$8x^2y^3 - 16x^3y + 12xy^2$$

$$= 4 \times y (2 \times y^2 - 4 \times 1 + 3 - 1 y)$$

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3. (4pts) Factor by grouping:  $4x^2 - 2x + 8x - 4$ 

$$2x(2x-1)+4(2x-1)$$
  
=  $(2x-1)(2x+4)$