

Algebra 201-007-50 03

Quiz 7

October 17, 2008

Name: SOLUTIONS

Student ID: _____

1. (3 marks). Factor the greatest common factor:

$$9x^4y^2 - 27x^3y + 12x^5y^3$$
$$= 3x^3y(3xy - 7 + 4x^2y^2)$$

2. (3 marks). Factor:

$$x^2 - 6x - 55$$
$$= (x - 11)(x + 5)$$

3. (4 marks). Factor by grouping:

$$\begin{aligned} & 4x^2 + x - 20x - 5 \\ &= x(4x+1) - 5(4x+1) \\ &= (4x+1)(x-5) \end{aligned}$$