

QUIZ 4 - MATH 102

Friday, October 14

YOUR NAME: _____

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Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Factor by grouping $-3a + 3 + ax - x$

2. Factor as the difference of two squares $x^2y^2 - 9c^2$

3. Factor as a perfect square $4a^2 - 20ab + 25b^2$

4. Factor completely $2x^2y^2 + 6xy^2 - 24x - 8x^2$