

QUIZ 6 - MATH 102

Friday, March 11

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. Use grouping to factor the polynomial $pr - 2r - ap + 2a$

2. Use the difference of two squares to factor $121a^2 - 4b^2$

3. Use a perfect square formula to factor $9t^2 + 30t + 25$

4. Use the ac -test to factor

(a) $3x^2 + 26x - 9$

(b) $4x^2 + 7x + 3$