

NAME:

BRONX COMMUNITY COLLEGE
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DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

MTH05

Quiz 8 (Sample)

Solve all problems. Each problem is worth 10 points. Show all your work, on this page if possible, but hand in all your work with your name on it if extra paper is used. Use pencil. Do not use a calculator.

1. Add $3x^2 - 4x + 3$ to $4x^2 + x - 5$
2. Subtract $3x^2 - 2x - 1$ from $6x^2 - 5x - 3$
3. Multiply $r^2 + 4r - 3$ by $2r$
4. Multiply $x + 2$ by $x - 7$
5. Divide $15a^3 + 20a^2 - 5a$ by $5a$

Factor each expression COMPLETELY

6. $x^2 - 8x + 12 =$
7. $9x^2 - 4y^4 =$
8. $48x^3 - 3x =$
9. $3x^3 - 12x^2 + 9x =$
10. $6x^2 - 5x - 6 =$