BRONX COMMUNITY COLLEGE
of the City University of New York
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

MTH05   **Quiz 9 (Sample)**

Instructions

Solve each problem and mark your answers clearly. Show all work, using additional paper if needed. Simplify your answers whenever possible. Do not use a calculator.

Simplify each of these radical expressions:

1. $8\sqrt{13} - 3\sqrt{13} =$

2. $4\sqrt{5} + 3\sqrt{6} - \sqrt{5} =$

3. $2\sqrt{3} + \sqrt{11} - 7\sqrt{3} + 3\sqrt{11} =$

4. $\sqrt{300} + \sqrt{48} - 3\sqrt{3} =$

5. $\sqrt{27} =$

6. $\sqrt{54} - \sqrt{24} =$

7. $\sqrt{\dfrac{5}{9}} =$

8. $\sqrt{\dfrac{7}{3}} =$

9. $\sqrt{10}(\sqrt{6} + \sqrt{2}) =$

10. $\sqrt{-81} =$