

LEMOYNE-OWEN COLLEGE
DIVISION OF NATURAL SCIENCES, MATHEMATICS AND COMPUTER SCIENCE

MATH 120
Valerie Chu, Ph.D.

Tuesday
July 30, 2002

Quiz 8

Show your work

Name: _____

Perform each operation. Express your answers in *lowest terms*.

1. $\frac{5}{12} + \frac{9}{16}$

2. $\frac{11}{14} - \frac{3}{40}$

3. $3\frac{2}{3} \cdot 5\frac{2}{5}$

4. $\frac{3}{5} \left(\frac{5}{6} \div \frac{11}{18} \right)$

5. Convert $\frac{21}{125}$ to a decimal.

6. Is $\sqrt{100}$ an irrational number? Why?

Simplify and combine like radicals:

7. $3\sqrt{6} - 8\sqrt{6}$

8. $2\sqrt{18} + 5\sqrt{2}$

9. $4\sqrt{75} - 2\sqrt{147}$

10. $2\sqrt{14} \cdot 3\sqrt{2}$