

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

MATH 120
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Quiz 8

Show your work

Name: _____

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

1. $\frac{5}{12} + \frac{1}{3}$

2. $\frac{14}{45} - \frac{5}{27}$

3. $5\frac{1}{8} \times 6\frac{2}{3}$

4. $\frac{3}{8} \left(\frac{14}{27} \div \frac{56}{45} \right)$

5. Convert $\frac{419}{500}$ to a decimal.

6. Is $\sqrt{81}$ an irrational number? Why?

Simplify and combine like radicals:

7. $3\sqrt{11} - 8\sqrt{11}$

8. $2\sqrt{6} + 5\sqrt{24}$

9. $7\sqrt{80} - 2\sqrt{125}$

10. $6\sqrt{15} \times 3\sqrt{5}$