

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. $\frac{2}{3} - \left(\frac{2}{7} + \frac{2}{9}\right)$

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

3. $\frac{3}{5} \left(\frac{2}{3} + \frac{5}{12}\right)$

4. $\frac{5}{18} \div \frac{35}{27}$

5. Convert $\frac{19}{25}$ to a decimal.

6. Is $\sqrt{25}$ an irrational number? Why?

Simplify and combine like radicals:

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

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

9. $5\sqrt{20} - 2\sqrt{45}$

10. $3\sqrt{15} \times 4\sqrt{3}$