

# Math 90 Quiz 2

Fall, 2008 -- O'Neil

This quiz is due MONDAY, OCTOBER 6 at the beginning of class. You may work collaboratively with your classmates, but TUTORS MAY NOT ASSIST YOU. Do not use a calculator except to check your work.

Solve the following. Show all work to justify your answer.

7)  $\frac{55}{99}$

Find the prime factorization of the number.

1) 90

Multiply and simplify. You may use any method you like, but it is necessary to SHOW YOUR STEPS.

8)  $\frac{21}{12} \cdot \frac{2}{3}$

Determine whether the number is divisible by 2, 3, 5, and/or 9.

2) 38,982

Divide and simplify. You may use any method you like, but it is necessary to SHOW YOUR STEPS.

9)  $\frac{5}{12} \div \frac{35}{24}$

Simplify. You may use any method you like, but it is necessary to SHOW YOUR STEPS, if any.

3)  $\frac{0}{19}$

4)  $\frac{13}{0}$

5)  $\frac{36}{36}$

6)  $\frac{241}{1}$

Solve. You may use any method you like, but it is necessary to SHOW YOUR STEPS.

- 10) There are 55 students in Jose's class.  $\frac{3}{5}$  of the students are science majors. How many students are science majors?