

San José State University  
Fall 2015  
Math-8: College Algebra  
Section 03: MW noon–1:15pm  
Section 05: MW 4:30–5:45pm

Quiz #3 Retake

Helpful Formulas

$$A = P(1 + rt)$$

$$A = P \left( 1 + \frac{r}{n} \right)^{nt}$$

1. Use the lowest common denominator method to perform the following addition. For full credit, find the LCD using the prime factorization method, perform the operation, then simply using prime factorization (if necessary).

$$\frac{5}{51} + \frac{7}{34} - \frac{2}{9}$$

2. For simple interest, interest is paid on the \_\_\_\_\_only. For compound interest, interest is paid on the \_\_\_\_\_and \_\_\_\_\_.

3. Jill puts \$1,000 into savings account that has a yearly interest rate of 2% and compounds monthly. What is the value of the account after 5 years?

4. Solve for x.

$$\frac{[3x(x-2)(x+1)^2]^3}{x^3(x-2)^2(x+1)^7} = -\frac{1}{2}$$