

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

Quiz #4 Retake

1. Expand: $(\frac{1}{2}xy + 4y^2z)^2$

2. Put in general form: $(3x - 2)(x + 4) - (5x + 1)(5x - 1)$

3. You have a pool in your backyard and wish to build a fence around it to keep out the neighborhood children when you are not at home. The pool is 50 feet long and 25 feet wide. You want there to be an equal amount of space between each edge of the pool and the fence; however, you want the total area to be 3750 square feet. What is the distance between each edge of the pool and the fence?

4. You have a credit card that has a 30% per year interest rate, compounded monthly. A summary of your monthly statements appears in the table below:

Month	Purchases	Payments
Oct	\$500	\$100
Nov	\$750	\$1000
Dec	\$1000	\$500

Assuming no additional purchases or payments, what is the account balance on your January statement?