

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

1. Expand: $(5xy + 2z)^2$

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

3. A box is 5 inches longer than it is wide and it is 5 inches deep. Find the *length* of the box if the total volume is 250 cubic inches.

4. You have a credit card with an 30% per year interest rate that compounds monthly. Your first statement indicates that you made \$1000 in purchases, so you make a \$100 payment. The second statement indicates that you made \$500 in new purchases, so you make another \$100 payment. The third statement says that you didn't make any new purchases, so you pay \$200. What is your account balance after the last \$200 payment?