**Final Exam Review**

Topic Checklist

**1.** Can you solve one, two and multi-step equations? (3.1-3.3)

**2.** Can you solve equations involving variables on both sides? (3.4)

**3.** Can you solve equations involving “no solution” and “all real numbers” as solutions? (3.4)

**4.** Can you set up and solve proportions? (3.5-3.6)

**5.** Can you solve percent problems? (3.7)

**6.** Can you rewrite equations in function form? (3.8)?

**7.** Can you solve literal equations? (3.8)

**8.** Can you solve problems involving the Pythagorean Theorem, including finding missing lengths or deciding if three sides can form a right triangle? (11.4)

**9.** Can you find the slope of a graphed line? (4.4)

**10.** Can you find the slope of a line given two points? (4.4)

**11.** Can you identify different types of slopes? (Positive, negative, zero, undefined) (4.4)

**12.** Can you graph a line using *x* and *y* intercepts? (4.3)

**13.** Can you identify possible combinations of a real-world situation given a graph? (4.3)

**14.** Can you graph a line using slope-intercept form? (4.5)

**15.** Can you evaluate functions using function notation? (4.7)

**16.** Can you write equations in slope-intercept form? (5.1-5.2)

**17.** Can you write equations in slope-intercept form of parallel and perpendicular lines? (5.5)

**18.** Can you decide if two lines are parallel or perpendicular given their equations? (5.5)

**19.** Can you solve inequalities? (6.1-6.3)

**20.** Can you identify if an inequality has “no solution” or “all real numbers?” (6.3)

**21.** Can you graph inequalities in the coordinate plane and identify solutions? (6.7)

**22.** Can you evaluate expressions involving order of operations and absolute value? (1.1-1.2)

**23.** Can you translate verbal phrases into algebraic expressions, equations or inequalities? (1.3-1.4)

**24.** Can you decide if a value is a solution to an equation or inequality? (1.4)

**25.** Can you write a rule for a function? (1.6)

**26.** Can you identify domain and range of a function? (1.6)

**27.** Can you decide if a relationship is a function or not? (1.6)

**28.** Can you graph a function? (1.7)

**29.** Can you perform operations with fractions? (Fraction notes/Reference Sheet)

**30.** Can you apply the distributive property? (2.5)

**31.** Can you combine like terms? (2.5)

**32.** Can you add, subtract, multiply and divide positive and negative numbers? (2.2-2.4/2.6)