Math 1050, Quiz #1, Spring 2014

Name \_

**Instructions**: Show all work. If you are using your calculator to solve, you may sketch a graph or indicate keys pressed to show work. Exact values: do not use decimals in your answers unless the problem begins with decimals, or is a word problem, or unless specifically asked to round. All answers should be fully reduced for full credit. Draw diagrams to help organize the data (this is worth partial credit). If you do your work on scrap paper, you should indicate that directly on the test paper along with your final answer. It is preferable, if you can, to do work directly on the quiz.

1. What is the least common denominator for  $\frac{1}{4}$  and  $\frac{5}{18}$ ? LCD = 2.24.9= 2.2 2.3.3 2. Add  $\frac{1}{6} + \frac{4}{15} + \frac{1}{2}$  LCD = 2.3.5 = 30  $\frac{5}{30} + \frac{8}{30} + \frac{15}{30} = \frac{28}{30} = \frac{14}{15}$ 3. Simplify  $\left(\frac{24}{72}, \frac{36}{42}\right) \div \frac{1}{7}$   $\frac{24}{72} = \frac{1}{3}$   $\frac{36}{42} = -\frac{1}{7}$  $(\frac{1}{3},\frac{2}{7}), \frac{2}{7} = \frac{2}{7}, \frac{2}{7} = 2$ 4. Write 0.275 as a fraction. Fully reduce it. 5. Subtract  $2\frac{2}{3} - 1\frac{5}{6}$ 8-11=16-