

Quiz1

September 14, 2006

Name: _____

Note: Each problem is worth 25 points, so the maximum grade you can get is 100 points. *Good Luck!!*

(1) Solve the equation for t , $\frac{1}{t-1} + \frac{t}{3t-2} = \frac{1}{3}$.

(2) Mary has \$3.00 in nickels, dimes and quarters. If she has twice as many dimes as quarters and five more nickels than dimes, how many coins of each type does she have?

(3) Find all the values of k that ensure that the following equation has exactly one solution. $4x^2 + kx + 25 = 0$.

(4) The sum of the squares of two consecutive even integers is 1252. Find the integers.