Name _____ Period _____

College Prep Chemistry of the Earth System

Assignment 0N – Solving for Density, Part 3 – Mixed Problems   20 Points

Solve each problem, writing the equation for each variable given

Density	$D = \dfrac{m}{v}$	Mass	$m =$	$D \bullet v$	Volume	$v = \dfrac{m}{D}$

D = 4.96g/mL, v = 51.9mL, find mass (*m*)	m = 53.9g, v = 90.4mL find Density (*D*)
Equation	Equation
D =	v =	m =	v =
m = (*Work*)	D = (*Work*)
Mass (*m*) =	Density (*D*) =

m = 31.6g, v = 15.5mL find Density (*D*)	D = 0.65g/mL, m = 86.90g, find volume (*v*)
Equation	Equation
m =	v =	D =	m =
D = (*Work*)	v = (*Work*)
Density (*D*) =	Volume (*v*) =

D = 0.78g/mL, v = 68.60mL, find mass (*m*)			D = 2.05g/mL, m = 146.3g, find volume (*v*)		
Equation			Equation		
D =		v =	D =		m =
m = (*Work*)			v = (*Work*)		
Mass (*m*) =			Volume (*v*) =		