Assignment 0L + 0M - Selected Answers

For the density equation below, complete the chart below

20 Point

D =	m
D –	V

m	type	Mass				
V	type	Volume				

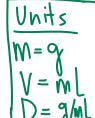
unit	O <sub>Y</sub>	kg
unit	M	L

Solve t	he following density problems $\left( egin{aligned} 0 \end{aligned}  ight)$
m	= 41.4g, v = 8.30mL, find Density (D)
Egn	D = m/v

Density (D) = 
$$\frac{1}{2} \frac{1}{2} \frac{1}{2$$

$$D = \frac{V}{W} M = D \cdot V$$

(solve for m)



 $\emptyset M$ 

D = 1.20g/mL, $m = 43.5$ g, find volume (v	<u>')</u>	

$$D = 0.94g/mL$$
,  $v = 84.1mL$ , find  $mass (m)$ 

Egn	v = m/D			Egn.	$m = D \bullet V$				
D =	1.20g/ml	m =	43.59	D =	0.94	9/mL	v =	84	.lmL
v =	43.4	7 9	/ <sub>M</sub> _	m =	0.94	3 <sub>m</sub> L	× &	34.	ImL
Volume (v) = 36.25 ML				Mass	s (m) =	70	1.0	59	

$$M = \Lambda \cdot D$$

$$M = M \cdot \frac{g}{M}$$

$$\sqrt{-\frac{D}{M}}$$

$$V = \frac{9}{2} = M$$