iem O	h.3 Quiz (A') Name: Key
.00	Determine the volume of the liquids in the following cylinders:
	40 (ML)
	40 35 20
	30 = 30
	25 5 10
	20 = 20 = =
	a) 25.5±0.5 b) 36.5±05 c) 5.4500 d) 14.5 ±0.5
	7) Put the following numbers in preparations:
	2) Put the following numbers in proper scientific notation:
	a. 402.0 4.020×10 ² b. 1034.22 x 10 ⁵ 1.03422×10 ² c. 1020040 1.02004 ×10 ⁵ d. 3.22 - 3.22 ×10 ⁹
	3) Round the following numbers to 3 significant digits:
	a. 0.0040566 0.00406 b. 9003400 9.00×10 c. 13.9987 14.0 d. 38.0020 38.0
	4). Indicate how many significant digits each number has:
	a. 780900 4 b. 0.0049020 5 c. 5.6600 x 10 ⁻³ 5 d. 80200000 3
5)	
)	Add the following three numbers and report your answer using significant figures: 2.5 cm + 0.50 cm + 0.055 cm = ? 3.055 cm
	[3.1cm]
6)	Subtract the following numbers and report your answer using significant figures:
	Subtract the following numbers and report your answer using significant figures: 416 g - 210. g = ? 20 6 g
7)	Multiply the following three numbers and report your answer to the correct number of significant figures: 0.020 cm x 50. cm x 11.1 cm = ?
	Tilcn?
-1	
8)	Divide the following three numbers and report your answer to the correct number of significant figures: 0.530 g / 0.1010 mL = ? 5. 2 4 7.5 5/2
	5.258 MI

9)	Express 21.2 m in Km s hr
21	2 / 5 (1km) (60s) (60min) = 76.32 km/ 1000m (1min) (1mr) = 76.32 km/ [76.3km/
10)	. Convert 0.03492 cm to Dm
0.0	13492 cm (100cm) (10m) - 3.492×10.5m
11)	A blacksmith has to put new shoes on a stable of 20 horses. Each shoe requires 3 nails. How can she calculate the number of nails that must be brought to the stable?
204	(45) (3n) = 240nails
12)	Express 0.06 L in cm ³
C	0.064(1000mk) (1cm) = [60 cm3]
(3)	You've just driven by a state trooper on Highway 26 travelling 17850 mm/s. Her lights and siren indicate that she'd like you to pull over. Is she going to give you a speeding ticket (posted speed limit is 55 mph) or a high-five for safe driving?
78	50mm (1m) (1km) (0.6214mb) (60%) (60mix) (1km) (1km) (1km)
	T= 39.93 milest high-five or a ticket for going to slow
14)	Tina's car gets 27 miles per gallon on the freeway. She is driving from San Francisco to Boston, a 3050 mile distance. She will spend an average of \$3.56 per gallon on fuel. Assuming all of her driving is on the freeway, how much can she plan on spending on gas for this trip?
0570	miles (1 gal) = \$402.148 -\$400 = \$400 = \$400 = \$400 = \$400 = \$400 = \$400