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-9	PHYSICS MID TERM #1
•	ESTIMATIONS & UNIT ANALYSIS
-9	
	(1) a) -1.5 seconds 5 d 500 m = 335 3
	5 500 moters
	b) Km 1 333 m 603 603 10000 10000 10000 10000
	b) Km 1 333 m 608 60 % n 1000 n 2 1198.8 km
3	(2) a) 0.25m3 -> cm3
	0.25 m 3 100 cm 100 cm 1000 (250,000 cm)
-9	1. M. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
-9	b) 100 km to 3
-9	
2 0	100 Km 1 hr (15 1000 m = 27.78 m) 100 Km 60 min 60s 1 Km 27.78 m 2 2 y gm ms 7
-9	c) 2kg m s-2 -> gm ms
3	2 kg n. 1000 100 cm 15 15 - 0.2 gcm
9	2 kg n 1000 1 15 15 - 0.7 gcn 52 1kg 1m 1000 ns 1000 ns ms ²
9 9	VECTORS
	() a) x, m=10 hs, 150
	x=05(15).10m=9.66m > [9.66 - 7.2.59m]
,	4=51n(15°)-10m=2.59m
9	
9	b) \$\frac{7}{21} n = 70m, (1350)
•	789 200 (1359 - 20m = -14 144
9	135 4 = SIN(1390) > 20m = 191190
9	- MIM mi - INIM mi
0	(2) GISKIM N -7 O. SKIME -> 45° NE FOI ORS HIM
	a) 24 b) (/ t = 00 (1) 0 0 0
	0.51 - 0.25 km = 0.18
	2 3
	0.5 km + 0.5 km + 0.18 km ? = 0.18 km ? = 0.18 km ?
	= 0.68 km; (0.68 km)
1	





