RN:		

## **AB Kestrel Practical Exercise #1**

1. Set up AB	Kestrel as follows:	
	TGT	GUN
	TR: 500 meters	MV: 2600 fps
	DoF: 0 deg	DM: 175 SMK
	Ideg: + 0 deg	BC: 1.000
		BW: 175 gr
	WIND	BD: 0.308 in
	WD: 12:00 clock	ZR: 100 m
	WS1: 0 mph	BH: 2.50 in
	·	ZH and ZO: 0.00 cm
	<u>ENVIRO</u>	RT: 1:11.00 in
	Update: off	Eunit and Wunit: mil
	Lat: 0 deg	
Temp: 59 deg F		
	SP: 29.92 inHg	
RH: 50 %		
	SpnDft: No	
	$\Gamma  ightarrow TR  ightarrow ESTIMATE and call il measurements.$	Iculate the range in meters of an 18-inch target for the
0.76 mil	<del></del>	
1.52 mil		
1.14 mil		
0.91 mil		
3. Go to <b>Ra</b> the respecte	_	mn to <b>Trce</b> and annotate the following trace values for
300 meters		
600 meters		
800 meters	<del></del>	
4. Go to <b>Bal</b> l	<b>listics</b> $ ightarrow$ and annotate the fo	ollowing.
RTrns	meters	
RSubs	meters	

5. Prior to mission, you want to figure out the ed MV from your average MV as inputted in question 1, your hold in mils for 2546 fps for cold bore and with the same condition CB hold in mils for 500 meters is miles.	stion 1. Using the same conditions and target r 500 meters is mil. Now use a MV of ons and target parameters as in question 1. Your
6. What is the difference in mils between your mil	average MV and your CB MV for 500 meters?
7. What is the difference in inches between your inches	average MV and CB MV for 500 meters?
(RESET BACK TO 260	0 fps AT THIS TIME)
8. You have established a firing point and have id 300 meter zero, what are your holds for the f question 1. (Set zero range to 300 m)	,
100 m mil	TRP 1 @ 270 meters mil
200 m mil	TRP 2 @ 186 meters mil
300 m mil	TRP 3 @ 480 meters mil
400 m mil	
500 m mil	
(RESET BACK TO 100 ME	TER ZERO AT THIS TIME)
9. On infil, your suppressor's locking latch broke your zero confirmation prior to mission departure. 4 mils down at 100 meters when shooting unsucapture this shift?	re, you annotated that your M110 had a shift of
What is your "suppressor off" shift equal to in cr	n? Include +/- in your answer cm
10. Go to <b>GUN</b> $\rightarrow$ <b>MV</b> $\rightarrow$ <b>Cal MV</b> $\rightarrow$ What is the muzzle velocity? meters	recommended range to conduct a calibration of
What three things must be confirmed prior to co	onducting a muzzle velocity calibration?
1	
2	
3.	

SCORE: \_\_\_\_\_/\_\_\_\_