	1/	fracticum 4	Practicum Score: 100 pts		
Contestant	Name: Key		Practicum Score.		
School:					
		(m) (1) (12) (12)	. I Courtoms		
	025 Kansas State Agriculture Natural Resources Prac	eticum Activity – It	o points		
Instructions to obtain full	Place all answers on this page. For points for this activity. Each section	low all instructions care will be completed sepa	efully and completely in order trately by a team member. Setup Score: Scored by Setup Score:		
Section 1 -	Setting up builder's level	(15 points possible)			
Cat up the lev	el in the designated area and demons e the readings if you are waiting for	strate to an event monitor someone to check your	setup.		
	oper reading on the right. Be sure to				
	eading at site #1.		Site 1:		
B. Rod re	eading at site #2.		Site 2:		
C. Calcul	ate the change in elevation between	Site 1 & Site 2. Eleva	tion Change: _/,/9 /- , A		
D. Calculate the slope. Assume that the distance between Site 1 and Site 2 is 68.5 feet.					
		1.19/68.5=	Slope:		
Pick up the bu	ilder's level so that your next teamr	nate can set it up.			
Section 2 – Calculating Elevation and Slope					
Use the follow	ing level sightings to answer the qu	estions on the back.			
- Samint	of Alohold I				
Benchmark R	eading (BM) F.S. #	1	F.S. #2		
	 The instrument has been correct All readings above represent the benchmark, F.S. #1 and F.S. #2 The elevation at the benchmark 	views through the inst			
E. Record the proper rod readings (NOT ELEVATIONS) for each of the sites below. (5 pts each)					
BM Reading:	F.S. #1 Readin	g: <u>3,77</u> F.S	5. #2 Reading: 4.94		

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F. Calculate the **ELEVATION** for each of the following: (5 points each)

What is the height of the instrument?

Elevation at F.S. #1?

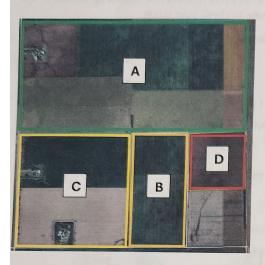
Elevation at F.S. #2?

Height of Instrument: 103.0

F.S. #1 Elevation: 99.03

F.S. #2 Elevation: 98.06

Section 3: Legal Land Description (30 points)



G. This section of ground is 1 mile by 1 mile. It is Section 24 in Range 3 East and Township 20 South. Write the **COMPLETE** legal description for each of the lettered land areas. (5 points each)

A. N\(\frac{1}{2}\) Sec. 24 \(R-3-\)E, \(T-20-s\)

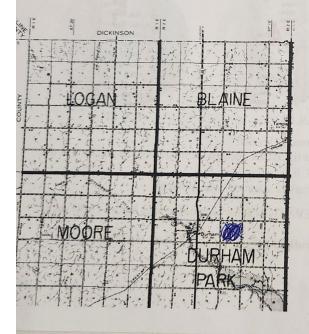
B. \(W\(\frac{1}{2}\), \(SE\)\(\frac{1}{2}\) Sec. 24 \(R-3-\)E, \(T-20-s\)

C. \(SW\(\frac{1}{2}\)) Sec. 24 \(R-3-\)E, \(T-20-s\)

D. \(NE\)\(\frac{1}{2}\), \(SE\)\(\frac{1}{2}\) Sec. 24 \(R-3-\)E, \(T-20-s\)

H. What is the size of each tract in acres? (2 pts ea)

A. 320 B. 80 C. 160 D. 40



- I. Shade in Section 15, R-2-E, T-18-S (4 points)
- J. What is the name of the township that would be in R-1-E, T-17-S? (3 points)

Logan