APPENDIX G

The Post-test Administered to all Students in Both Groups

144

No.	Problem	Char.	Digits	Answer
1	$\frac{(374.5)(0.027,44)}{4.924}$			
2	$(204.4)(0.059,36)(6.511)$			
3	$\frac{671,432.}{(9212.)(5,675,100.)}$			
4	$\frac{19.125}{(3.110)(7.6441)}$			
5	$(761.2)(0.1272)(1.025)$			
6	$\frac{(16,854.)(256.14)}{9846.}$			
7	$\frac{(5544.)(0.084,43)}{1115.}$			
8	$(4.504)(23.96)(0.091)(8.15)$			
9	$\frac{(743.4)(0.1255)}{(30,446.)(568.4)(0.006,501)}$			
10	$\frac{2721.4}{(671.4)(0.001,146)(21.1)(0.974)}$			

Instructor_____

Brand name of slide rule_____

145

No.	Problem	Modified Problem	Answer
1	$\sqrt[2]{4675.}$		
2	$(124.)^3$		
3	$(9.874 \times 10^2)^2$		
4	$(14.6 \times 10^4)^{0.3333}$		
5	$\sqrt[3]{947.4}$		
6	$(74.64 \times 10^{-1})^2$		
7	Sin 64.12°		
8	Tan 43.05°		
9	Sin^{-1} 0.1104		
10	Cos 7°		
11	Tan^{-1} 0.061,44		
12	Tan 67.44°		
13	Sin 1.436°		
14	Cos 83.56°		
15	Sin 9.11°		
16	Tan 89.156°		

Find the unknown sides and angles.

Space is provided for your sketches.

No.	$\overline{AB}$	$\overline{BC}$	$\overline{AC}$	$\measuredangle C$	$\measuredangle A$	$\measuredangle B$
1	8.884		21.41		90°	
2		0.1146			90°	32°
3	8444.				46.2°	58.90°
4	31.44			25.92°	90°	
5		714.11	965.			44.61°
6	0.061,44		0.8744		90°	

1

2

3

4

5

6

NO	Problem	Calculations	Answer
1	$(1.0311)^{19.82}$		
2	ln 1.5562		
3	$(0.6064)^{-4.051}$		
4	$e^{-1.8412}$		
5	$\sqrt[6.41]{141.1}$		
6	ln x = 1.2111 x = ?		
7	$e^{0.0114}$		
8	$(38.46)^{-\frac{1}{61.12}}$		
9	$x^{2.44} = 1.1854$ x = ?		
10	$0.985,12^{x} = 0.000,113$ x = ?		
11	$\sqrt[0.3166]{x} = 2.544_{x=?}$		