NAME	:. ::		
DATE	:		
COURSE: COURSE#:			Basic Principles/Industrial Wiring ELC191
TOPIC: INSTRUCTOR:		\	Voltage Drop Test (rev A) Mr. Frank R. Lombardo
			Please answer the following questions.  Each question is worth two points, 24 points total.  Please show all work.
Voltaç	ge Drop.		
	***	***For "	K" Use 12.9 for copper and 21.2 for aluminum*****
	Fi	nd the v	oltage drop for each of the following single phase circuits:
1.	6 AWG	aluminu	um 175 ft. 37 A
_			
2.	4 AWG	copper	95 ft. 78 A
3.	2 AWG	aluminu	um 90 ft. 100A
	I	Find the	wire size for each of the following single-phase circuits.  Make sure to give what size wire.
4.	120 V	41 A	205 ft. copper wire
5.	240 V	60 A	80 ft. aluminum wire
6.	240 V	75 A	200 ft. copper wire

Find the maximum distance for each of the following single-phase circuits.

- 7. 4 AWG aluminum 60 A 240 V
- 8. 2 AWG aluminum 80 A 240 V
- 9. 1/0 AWG aluminum 100 A 240 V

Find the maximum load for each of the following single-phase circuits.

- 10. 8 AWG copper 208 V 145 ft.
- 11. 1/0 AWG aluminum 208 V 180 ft.
- 12. 4 AWG copper 240 V 250 ft.

