

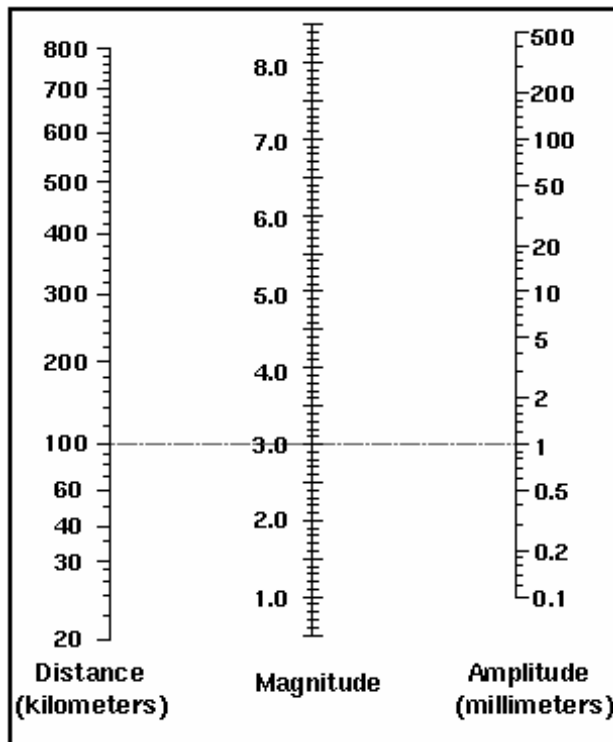
Richter Scale/Nomogram

Name _____ Pd ____

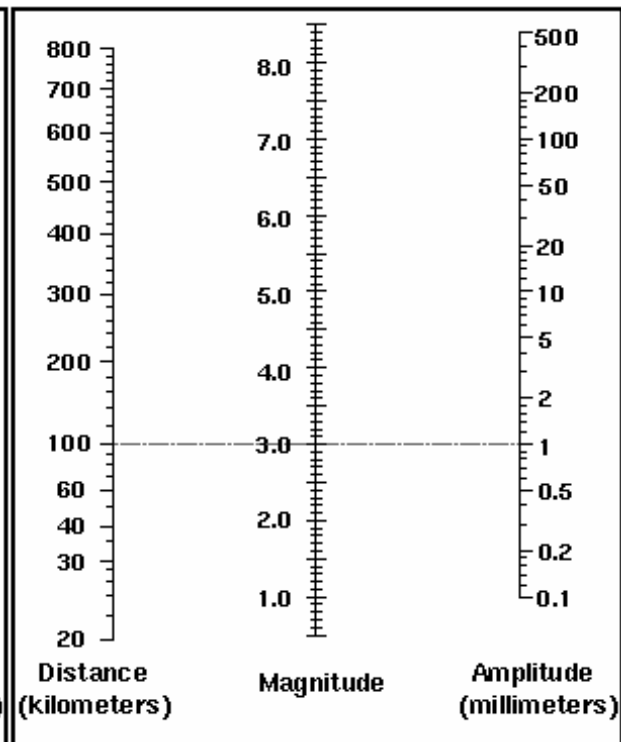
Nomogram – any diagram that shows the relationship among 3 variables. This nomogram determines the magnitude of a quake if the distance to the epicenter AND the maximum S-wave amplitude are known.

Directions - Fill in the following table using the nomogram for Richter magnitude. When drawing the line, use a different color for each line and shade in the numbered box to match. Do the first 4 on the first nomogram and #5-8 on the second nomogram.

	Distance to epicenter (in km)	Richter Magnitude	Max S-wave amplitude
1.	30		1.0
2.	700		50
3.	200		20
4.	300		2.0
5.	400	6.0	
6.	40	5.0	
7.		7.0	500
8.		2.0	0.2



Questions 1-4



Questions 5-8