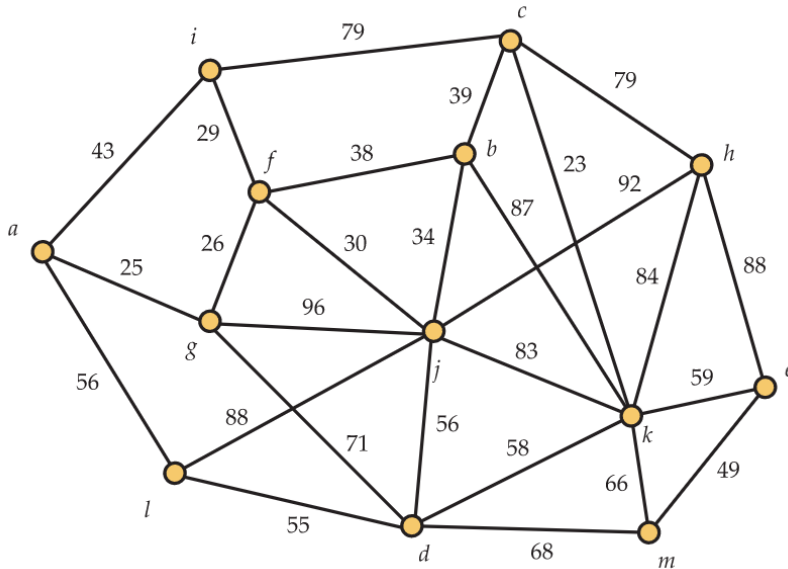


Instructions: Show all work. Answers without work can only be graded all or nothing. Partial credit is available only when work is shown.

- Find the minimum cost spanning tree (using Kruskal's Algorithm). What is the minimum cost?



- Use the mileage table below to find the minimum cost spanning tree.

Mileage for common commutes use basic mileage form					
	Grayson PL	Fries PL	Whitetop PL	Wythe PL	RRPL
Grayson PL	0.0	15.2	33.1	30.4	29.8
Fries PL	15.2	0.0	48.4	26.9	30.2
Whitetop PL	33.1	48.4	0.0	54.1	41.1
Wythe PL	30.4	26.9	54.1	0.0	13.1
RRPL	28.9	30.2	41.1	13.1	0.0