

Name \_\_\_\_\_

THE ADVENTURES OF DRAGON LILLY AGENT OF THE ILLUMINAUTS

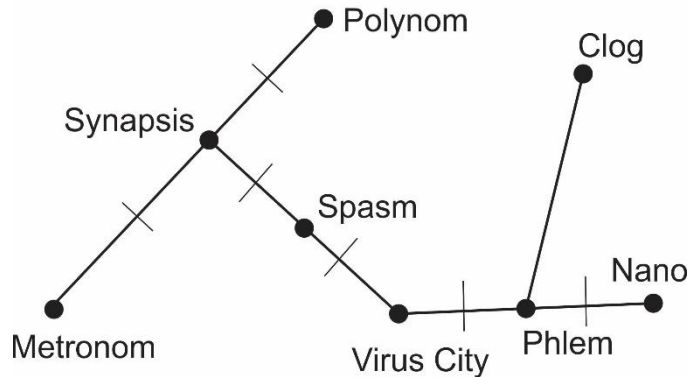


Dragon Lily, agent of the IllumiNauts, is flying from Synaps to Metronom to investigate Cabal activity. **Find the distance between these two cities.**

*In Dimension Q a war rages for the freedom of thought. The IllumiNauts champion the cause of logic and mathematics. Members of the Mind Control Cabal hold much of the intelligent life in dimension Q hostage.*

**Map of Dimension Q**

Metronom	(28,14)
Synapsis	(Mx,My)
Polynom	(60,42)



Once at Synapsis, Dragonlily discovers a plot by the Mind Control Cabal to infect the population of Polynom with the dreaded Dullard Virus. Dragon Lilly is on a mission to protect Polynom from an attack from the germs of Virus City. She will fly back to Metronom to get the medicine to spay Virus City. **How far is it from her base at Metronom to Virus city?**

Spasm	(52,22)
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$$\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2} = D$$

