Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- |
| illuminautplane.emf | 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.* |
| A picture containing object  Description automatically generated   |  |  | | --- | --- | | Metronom | (28,14) | | Synapsis | (Mx,My) | | Polynom | (60,42) | | |

The Adventures of Dragon Lilly Agent of the Illuminauts

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) |

Give a counter example for this conjecture.

**All chickens lay eggs.**

