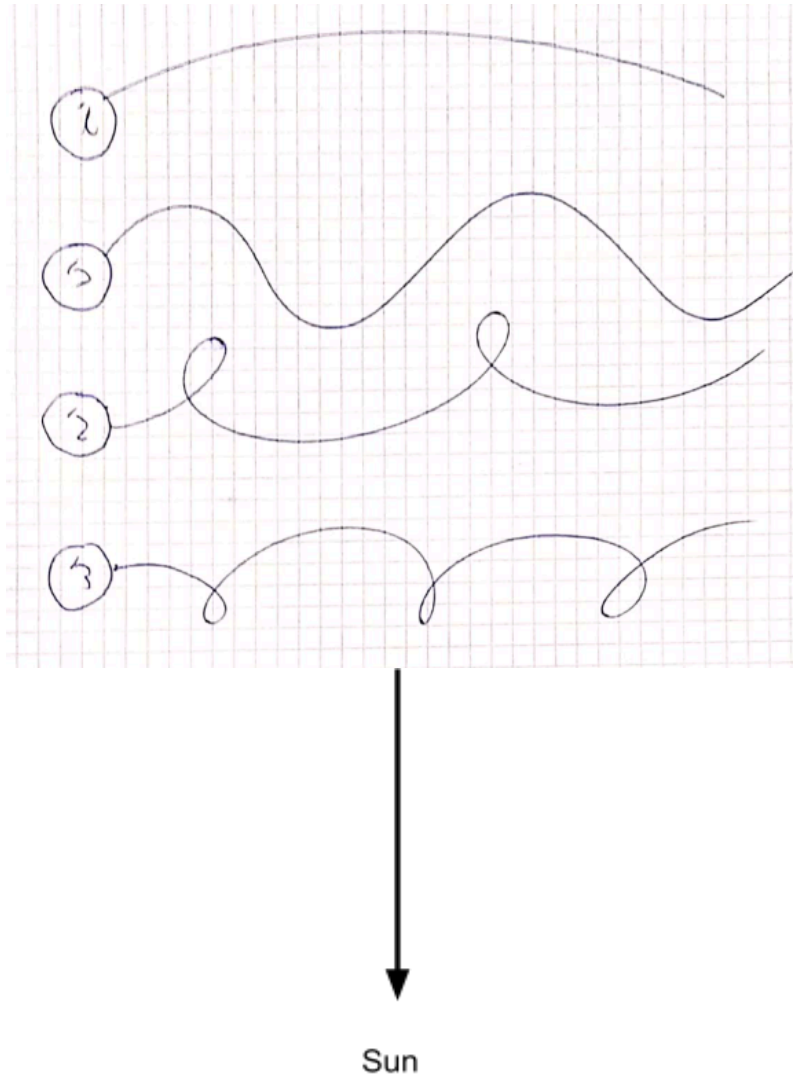


Which of the below orbits schematically looks like our **moon's** orbit around the **sun** in an **inertial frame**? These plot shows the moon's orbit along 2-4 months



The drawings are schematic.

You may find useful:

1. Moon's orbit radius around earth $\sim 400,000 \text{ km}$
2. Earth's orbit radius around the sun $\sim 150,000,000 \text{ km}$
3. Earth's mass $\sim 6 \cdot 10^{24} \text{ kg}$
3. Sun's mass $\sim 2 \cdot 10^{30} \text{ kg}$