

THE MECHANICAL UNIVERSE
Video 24 - Navigating in Space

Name: _____
Class: _____

1. When was *Voyager* launched?
2. What mathematical path do all spacecraft follow?
3. How long does it take for a spacecraft to get from Earth to Mars?
4. How long do most interplanetary launch “opportunities” last?
5. How often can we launch a spacecraft to Mars?
6. How often do the four outer planets line up for a spacecraft to visit them all?
7. Explain how “gravity assist” works:
8. What does the “Shepherding Theory” explain?