

Kepler's Laws REVIEW

1. Elliptical Orbit Law

means that all planets orbit the sun in _____ orbits.

Ellipses have _____ foci, one of which is the _____.

This also means a planet's distance from the sun changes:

Closer to the sun is called _____

Farther from the sun is called _____.

2. Equal Area Law

means that a planet moves _____ as it approaches the sun,
which is called _____;

and a planet moves _____ when it is farthest from the sun,
which is called _____.

3. Harmonic Law

States that the cube of the distance is equal to the square of the period
(one revolution or orbit of a planet around the _____.)

Write the formula: _____

This means that the farther away from the sun,
the _____ the year.

This also means that you can calculate the _____ of a planet,
if you know the _____ of the planet from the sun.