Name	Date	Hour

Planet Revolution Speed

Calculate each planets revolutionary speed. You will need to first find the planets revolutionary distance. Use these formulas to solve these problems: $c=2\pi r$ or $c=\pi d$, and s=d/t. You must Show Me The Math in order to receive full credit.

Mercury	
AU	Revolutionary Time
Venus	
AU	Revolutionary Time
Forth	
Earth	
AU	Revolutionary lime
Mars	
AU	Revolutionary Time

Jupiter	
AU	Revolutionary lime
Saturn	
AU	Revolutionary Time
Uranus	
AU	Revolutionary Time
Neptune	
AU	Revolutionary Time

Example: A planet is 2.8 AU's from its sun and completes an orbit every 5 years. Double the AU distance because 1 AU is the radius. Multiply that value by how many km are equivalent to an AU. You now have that planets diameter in km to use to find the circumference. Convert the time of revolution into hours and divide it into the circumference to find the speed of revolution.