

$$d = \sin(46)$$

$$= 0.71$$

- Earth

$$d = 1 \text{ AU}$$

- Mars

$$d = \sin(57)$$

$$= 0.84$$

- Jupiter

$$d = \sin(79)$$

$$= 0.98$$

- Saturn

$$d = \sin(84)$$

$$= 0.99$$

$$p^2;$$

- Mercury , $88^2 = 7744$
- Venus , $225^2 = 50625$
- Earth , 1
- Mars , $1.9^2 = 3.61$
- Jupiter , $11.9^2 = 141.61$
- Saturn, $29.5^2 = 870.25$

$$a^3 = p^2$$

- Mercury , 19.74
- Venus, 37
- Earth , 1
- Mars , 1.53
- Jupiter , 5.21
- Saturn, 9.55