

Name: _____

Period: _____

Notes & Warmup

Physics: Notes for Trigonometry:

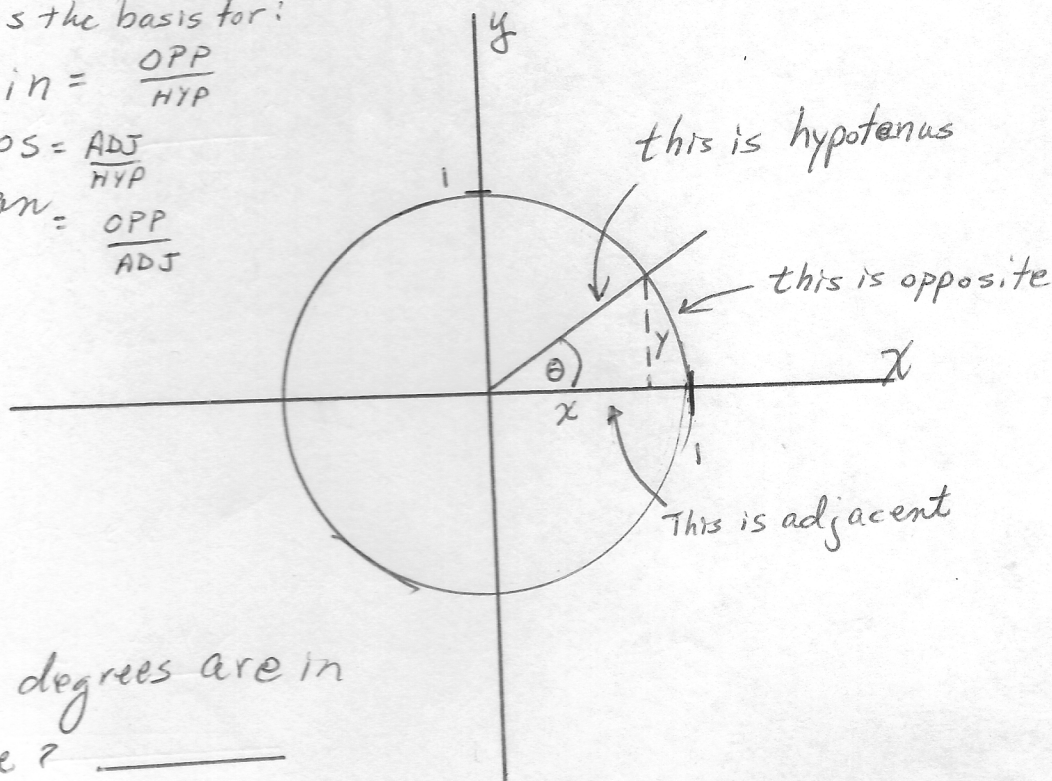
The unit circle (radius 1)

is the basis for:

$$\sin = \frac{\text{OPP}}{\text{HYP}}$$

$$\cos = \frac{\text{ADJ}}{\text{HYP}}$$

$$\tan = \frac{\text{OPP}}{\text{ADJ}}$$



How many degrees are in a circle? _____

2) What is the sin of 0° ? _____

3) What is the cos of 0° ? _____

4) What is the sin of 90° ? _____

5) What is the cos of 90° ? _____

← just look @ the circle above & determine the value of y (the opposite to angle θ) and x (adjacent)

6) When you have this vector triangle, determine angle θ :

Hint: $\tan^{-1} \left(\frac{\text{OPP}}{\text{ADJ}} \right)$

