

























6 LAW OF SINKS LHW OF SINES  $\frac{5}{15}$   $\frac{5}{1$ 

$$\begin{array}{c} \hline 7-23 \\ \hline 7-23 \\ y=x-5 \\ x=2z \end{array}$$

$$\begin{array}{c} substitute \ to \ get \\ x+(x-5)+z=40 \\ substitute \ x=2z \ to \ get \\ 2z+(2z-5)+z=40 \\ 2z+2z-5+z=40 \\ 5z=45 \\ \hline 7z=45 \\ \hline 7z=9 \\ \hline 7 \\ \hline 7 \\ x=2(9) \end{array}$$



Have one person from your group:

Pick up your Ferris Wheel data and graph from the last class.

Then explain what we did to anyone who was absent ! If absent, you do <u>not</u> have to make up this particular activity, but you do need to understand it!









The connection happens because at every point along the circle (well almost each point), you can make a right triangle with the height and the angle  $\theta$  $\sin \theta = \frac{\text{opposite}}{\text{hypotenuse}} = \frac{h}{1}$  $\int \theta$  $\int \theta$  $\int \theta$  $\int \theta$  $\int \theta = \sin \theta$  $\int \theta$  $\int \theta = \sin \theta$  $\int \theta = \sin \theta$  $\int \theta = \sin \theta$ 









Each pair needs a ⇒7-Habc wroe Sheet need a straight edge to make triangles Try to finish in 30 minutes -Each person pair will turn in their own.

















