

# TRIG GRAPHS REVIEW

#1 (25 pts.)

$$\sin x / \cos x = \text{amp}$$

$$\sec x / \csc x / \tan x / \cot x = \text{NA}$$

$$y = -14 \csc \left( \frac{2}{5}x - \frac{2\pi}{3} \right) + 7$$

Fill in the chart

	amp	per	p.s.	v.s
$\sin/\cos$				
$\sec/\csc$				
$\tan/\cot$				

$$\frac{\text{amp}}{\text{NA}}$$

$$\frac{\text{per}}{\frac{2\pi}{\frac{2}{5}} = \cancel{2\pi} \cdot \frac{5}{2} = 5\pi}$$

$$\frac{\text{p.s.}}{\frac{2}{5}x - \frac{2\pi}{3} = 0}$$

$$\frac{\text{V.S.}}{0 \text{ or none}}$$

$$\frac{5}{2} \cdot \frac{2}{5} x = \frac{2\pi}{3} \quad \text{.s.}$$

$$x = \frac{5\pi}{3}$$

9 pts  
9d.

## #2 Graphing

13-15 pts.  
2d.

- \*  $\sin x$  or  $\cos x$
- \*  $\sec x$  or  $\csc x$
- \*  $\tan x$  or  $\cot x$

\* must list  
amp, per, p.s., V.S.  
 $b = \frac{2\pi}{\text{per}}$  or  $\frac{\pi}{\text{per.}}$

## #3 Given graph, write eq.

- \*  $\sin x$  or  $\cos x$
- \*  $\sec x$  or  $\csc x$
- \*  $\tan x$  or  $\cot x$

1 word problem = (8 pts.)

## Sin Regression

nth x	temp y
5.5	70

Know  $x = \text{Table}$

Know  $y = \text{Graph} + \text{Intersect}$