# TRIG GRAPHS REVIEW

1) Identifying Parts (approx. 25 pts)

|  | amp | per | p.s. | V.S. |
|---|---|---|---|---|
| sin/cos | $\pm$ # | $2\pi/b$ | $bx+c=0$ | |
| sec/csc | NA | $2\pi/b$ | | |
| tan/cot | NA | $\pi/b$ | | |

$$y = 4\sin(x) + 3$$

2) Graphs — 3    (13 pts – 15 pts)    (40-45 pts. total)

1) sin x or cos x

2) sec x or csc x

3) tan x or cot x

3) Given graph, write eq.   (9 pts. ea)

  1) sin/cos         Show 4 parts

  2) sec/csc

  3) tan/cot

4-6 Word Probs. (1)   6-8 pts.

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3 (c)   $\underline{\text{V.S.}}$    $\underline{\text{amp}}$    $\underline{\text{per.}}$    $\underline{\text{P.S.}}$

            1     $^1/_2$    $\pi/2$    $\frac{3\pi}{8}$ OR $-\frac{\pi}{8}$

$$b = \frac{2\pi}{\pi/2} = 2\pi \cdot \frac{2}{\pi} = 4$$

$$y = \frac{1}{2}\sin\left(4\left(x - \frac{3\pi}{8}\right)\right) + 1$$

$$\left(4\left(x + \frac{\pi}{8}\right)\right)$$