


J anuary 232013 7th.gwb - 2/3 - Wed J an 232013 13:46:36

$$
\begin{array}{l|l}
\begin{array}{l}
y=\csc (k \theta-c)+h \\
y=\sec (k \theta-c)+h
\end{array} & \begin{array}{l}
Y=\tan (k \theta-c)+h \\
Y=\cot (k \theta-c)+h
\end{array} \\
\begin{array}{l}
\text { Period }=\frac{2 \pi}{k}
\end{array} & \begin{array}{l}
\text { Period }=\frac{\pi}{k} \\
\text { Phaseshift }=\frac{c}{k}
\end{array} \\
\begin{array}{l}
\text { Vert. Shift }=h
\end{array} & \quad \text { V.S. }=\frac{c}{k}
\end{array}
$$

5 Write an equation for a secant function with period $\pi$, phase shift $\frac{\pi}{3}$, and vertical shift -3.

$$
\begin{aligned}
& \text { Per }=\pi=\frac{2 \pi}{k} \quad P \cdot S^{2}=\frac{\pi}{3}=\frac{c}{2} \cdot 2 \quad h=-3 \\
& \begin{array}{ll}
K=\frac{2 \pi}{\pi} & \frac{2 \pi}{3}=c
\end{array} \\
& y=\sec \left(2 \theta-\frac{2 \pi}{3}\right)-3 \\
& \text { p. 401-403 } \\
& \begin{array}{r}
\text { 29-34 } \rightarrow \text { no graph } \rightarrow \text { Find Period, Phase Shift, } \\
\text { Vert, shift }
\end{array} \\
& 36-43,47,49,59
\end{aligned}
$$

