J anuary 232013 6th.gwb - 1/3 - Tue J an 222013 12:56:04


J anuary 232013 6th.gwb - 2/3 - Wed J an 232013 12:50:49

$$
\begin{array}{l|l}
y=\csc (k \theta-c)+h & y=\tan (k \theta-c)+h \\
y=\sec (k \theta-c)+h & y=\cot (k \theta-c)+h \\
\hline \text { Period }=\frac{2 \pi}{k} & \text { Period }=\frac{\pi}{k} \\
\text { P.S. }=\frac{c}{k} & \text { P.S. }=\frac{c}{k} \\
\text { V.S }=h & \text { U.S }=h \\
y=\csc \left(\frac{\theta \theta}{2}-\frac{\pi}{4}\right)+\mathbf{2} .
\end{array}
$$

Find Per, P.S., V.S.

$$
\begin{aligned}
& \text { Period }=\frac{2 \pi}{1 / 2}=4 \pi \\
& \text { P.S. }=\frac{\pi / 4}{1 / 2}=\frac{\pi}{4} \cdot \frac{2}{1}=\frac{\pi}{2} \\
& \text { V.S. }=2 \\
& Y=\tan \left(4 \theta+\frac{\pi}{2}\right)-1 \\
& \text { Per }=\frac{\pi}{4} \\
& \text { P.S. }=\frac{-\pi / 2}{4}=-\frac{\pi}{2} \cdot \frac{1}{4}=-\frac{\pi}{8} \\
& \text { V.S }=-1
\end{aligned}
$$

5 Write an equation for a secant function with perio $0 \pi$, phase shiff $\frac{\pi}{3}$, and vertical shift $(-3$.

$$
\begin{aligned}
& y=\sec (k \theta-c)+h \\
& \text { Per }=\pi=\frac{2 \pi}{k} \quad \text { P.S. } 2 \cdot \frac{\pi}{3}=\frac{c}{2} \cdot 2 \quad \text { V.S. }=-3=h \\
& K=\frac{2 \pi}{\pi} \\
& \frac{2 \pi}{3}=C \\
& k=2 \\
& p .401-403 \\
& \text { 29-34. } \rightarrow \text { no groph } \rightarrow \text { Find the } \\
& \text { (1) Period } \\
& \text { (2) U.S. } \\
& 36-43,47,49,59
\end{aligned}
$$

