January 16 2013 7th.gwb - 1/1 - Tue Jan 15 2013 14:11:02

$$max = 13.75 \qquad Anpl: \frac{13.75 - 10.53}{2} = 1.61$$

$$min = 10.53 \qquad V.5 = \frac{13.75 + (9.5)}{2} = 12.14$$

$$Per = 12 = \frac{7}{2}$$

$$K = \frac{77}{2} = \frac{7}{6}$$

$$V = A \cos(Kt - c) + h$$

$$V = -1.61 \cos(\frac{\pi}{6}(1 - c) + 12.14$$

$$13.75 = -1.61 \cos(\frac{\pi}{6}(1 - c) + 12.14$$

$$13.75 = -1.61 \cos(\frac{\pi}{6}(1 - c) + 12.14$$

$$\frac{161}{-1.61} = \frac{-1.61 \cos(\pi - c)}{-1.61}$$

$$-1 = \cos(\pi - c)$$

$$\cos^{-1}(-1) = \pi - c$$

$$\pi = \pi - c$$

$$0 = c$$

$$V = -1.61 \cos(\frac{\pi}{6}(1 - c) + 12.14$$

$$V = |1.15 in(\frac{\pi}{6} - 1.61) + 12.14$$

$$V = |1.15 in(\frac{\pi}{6} - 1.61) + 12.14$$

$$V = |1.72 hr$$

$$\rho 391-392$$

$$7 - 12$$