

Math 002 Quiz 4

(B)

Name:.....Serial#:.....Sec #:.....

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**Q.1:** Find the period, amplitude and sketch the graph of  $y = -2 \cos(2x)$  over one period.  $P = \pi$ ,  $A = 2$ .

**Q.2:** Find Vertical Asymptotes, Zeros and Period of the function  $y = -\cot\left(\frac{x}{2}\right)$ . Also sketch its graph over one period. VA:  $x = 2n\pi$ , Zeros : at  $(2n + 1)\pi$ , Period:  $P = 2\pi$ .

**Q.3:** Find the period, amplitude and sketch the graph of  $y = 2 \csc(\pi x)$  over one period.  $P = 2$ .