



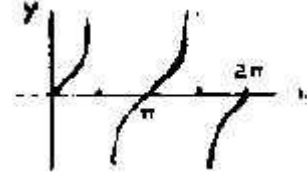
\_\_\_ 10. If  $y = \cos^2(4x)$ , determine  $\frac{dy}{dx}$

L.  $2^{80} \cos(2x)$

\_\_\_ 11. If  $y = \frac{1}{\sin^2 x}$ , determine  $\frac{dy}{dx}$

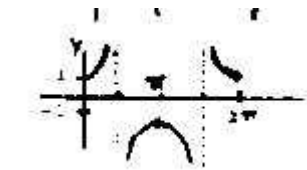
M. 2

N.



\_\_\_ 12. Evaluate  $\lim_{x \rightarrow 0} \sin(5x) \cot(3x)$

P.



\_\_\_ 13. Graph  $y = \tan x$  for  $0 < x < 2\pi$

\_\_\_ 14. If  $y = t^2$  and  $x = 7t + 1$ , determine  $\frac{dy}{dx}$

T.  $\tan(x) \sec(x)$

\_\_\_ 15. If  $y = 2u^2$  and  $u = 4x - 7$ , determine  $\frac{dy}{dx}$

U. 0

W. 3

X.  $80 \cos(2x)$

Y. None of the above