

Accel Math III Practice Worksheet #2: Graphs of Tangent, Cotangent, Secant and Cosecant

Name Key

Cosecant

Unit 5: Graphs and Inverse of Trig Functions MA3A3

Lesson 6: Graphs of Tangent and Cotangent

Match the following graphs with the correct trigonometric function.

1.  $y = \sec 2x$  C

2.  $y = \tan 3x$  G

3.  $y = \tan \frac{1}{2} x$  E

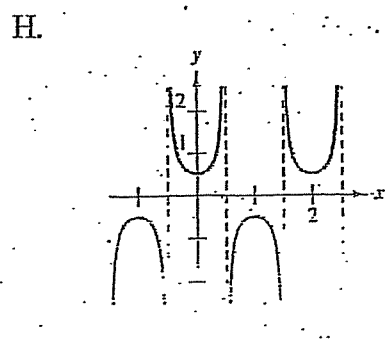
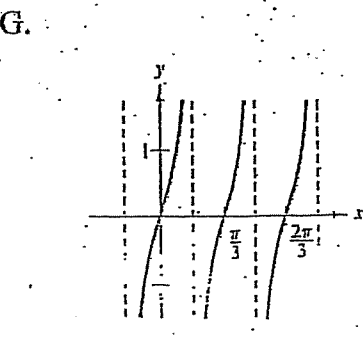
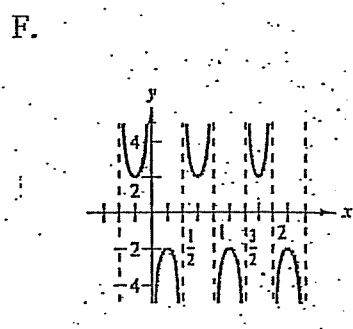
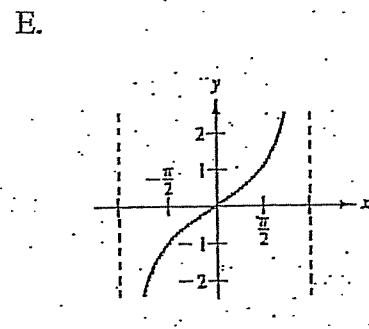
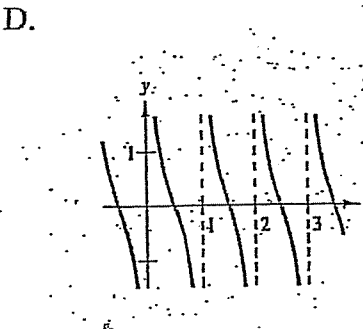
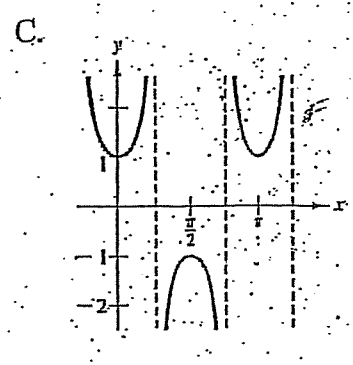
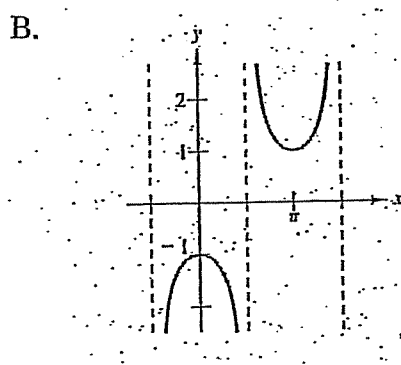
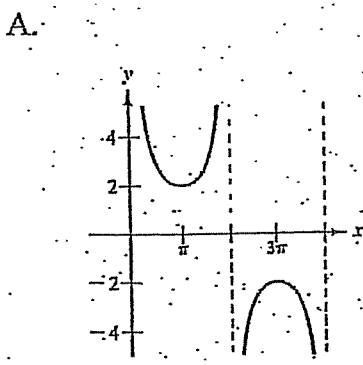
4.  $y = 2 \csc \frac{1}{2} x$  A

5.  $y = \cot \pi x$  D

6.  $y = \frac{1}{2} \sec \pi x$  H

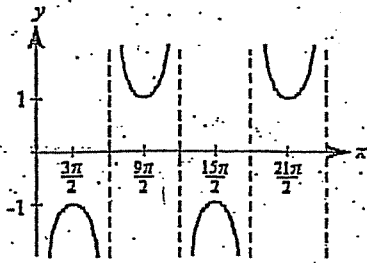
7.  $y = -\sec x$  B

8.  $y = -2 \csc 2\pi x$  F

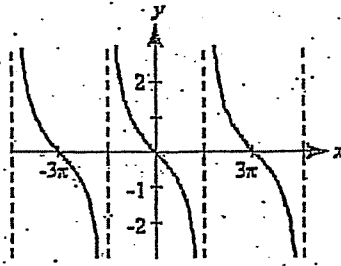


Write the equations of each.

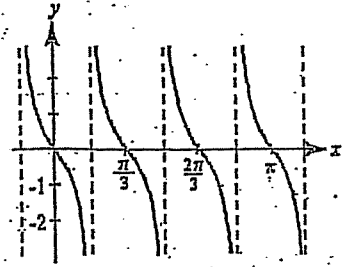
A.  $y = -\csc\left(\frac{1}{3}x\right)$



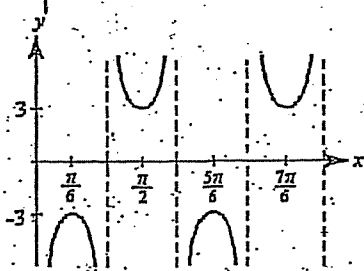
B.  $y = -\tan\left(\frac{1}{3}x\right)$



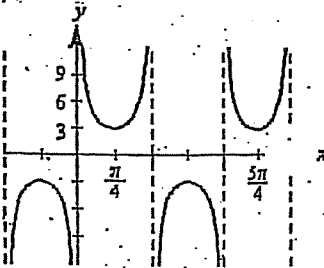
C.  $y = \tan 3x$



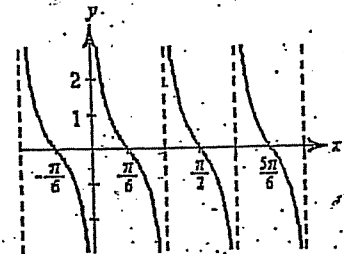
D.  $y = -3\csc 3x$



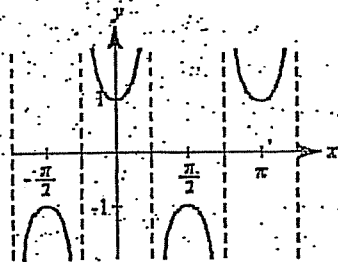
E.  $y = 3\csc 2x$



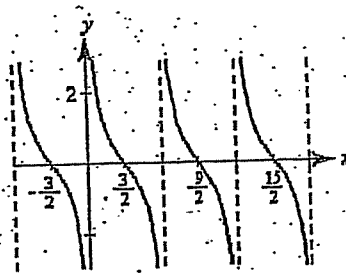
F.  $y = \cot 3x$



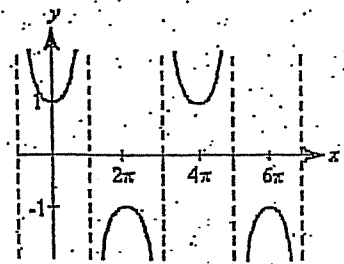
G.  $y = \sec 2x$



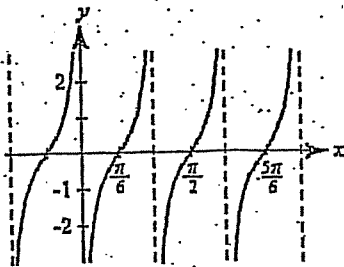
H.  $y = \cot \pi/3 x$



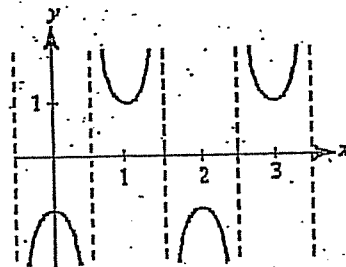
I.  $y = \sec \frac{1}{2}x$



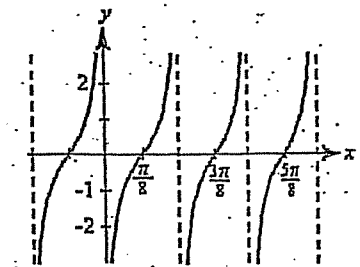
J.  $y = -\cot 3x$



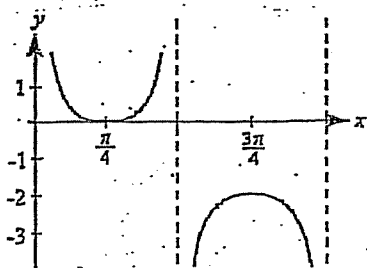
K.  $y = -\sec \pi x$



L.  $y = -\cot 4x$



M.  $y = \csc 2x - 1$



N.  $y = \sec 2x + 1$

