

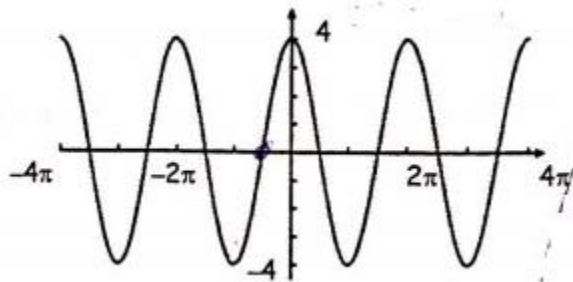
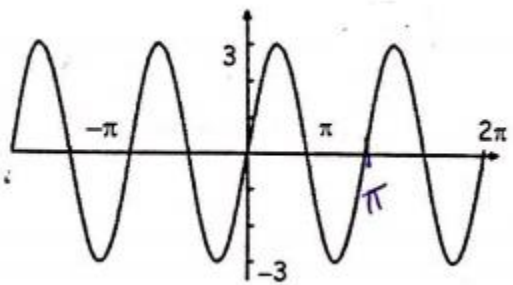
Name: \_\_\_\_\_

### Graphing All Trig Functions:

Write an equation for each graph in terms of sin and cos:

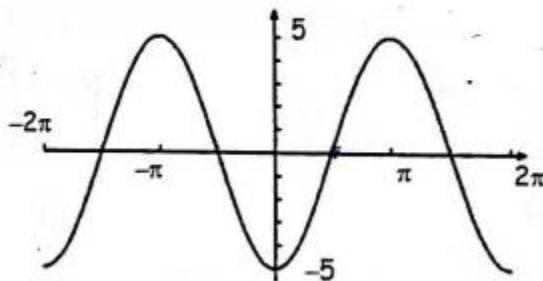
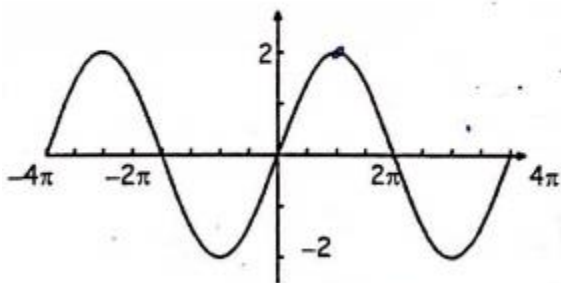
1)

2)



3)

4)



Graph two complete periods each function, then state the Domain, Range, amplitude and period

5)  $y = \tan x$

Amplitude: \_\_\_\_\_  
Period: \_\_\_\_\_  
Domain: \_\_\_\_\_  
Range: \_\_\_\_\_



6)  $y = \cot x$

A: \_\_\_\_\_  
P: \_\_\_\_\_  
D: \_\_\_\_\_  
R: \_\_\_\_\_



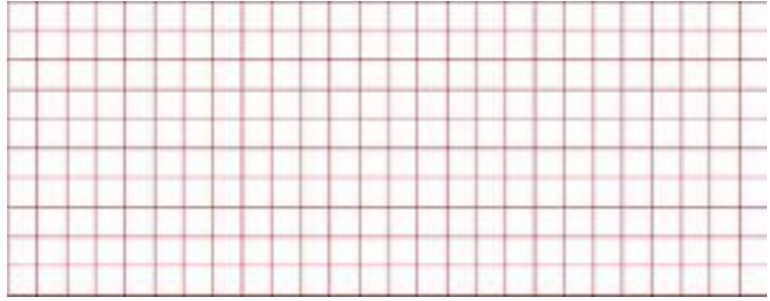
7)  $y = \csc x$

A: \_\_\_\_\_

P: \_\_\_\_\_

D: \_\_\_\_\_

R: \_\_\_\_\_



8)  $y = \sec x$

A: \_\_\_\_\_

P: \_\_\_\_\_

D: \_\_\_\_\_

R: \_\_\_\_\_



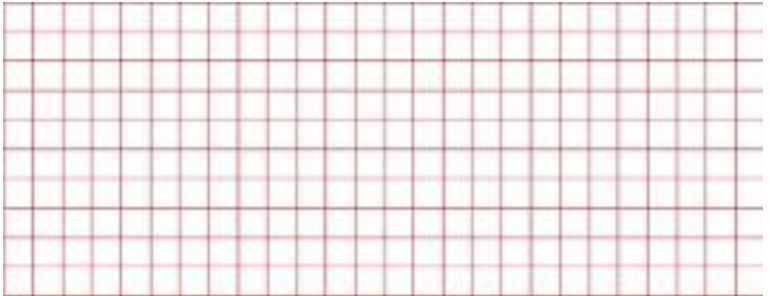
9)  $y = \tan(x - \pi)$

A: \_\_\_\_\_

P: \_\_\_\_\_

D: \_\_\_\_\_

R: \_\_\_\_\_



10)  $y = 3\cos(2x)$

A: \_\_\_\_\_

P: \_\_\_\_\_

D: \_\_\_\_\_

R: \_\_\_\_\_



11)  $y = 4\sin\frac{1}{2}x + 3$

A: \_\_\_\_\_

P: \_\_\_\_\_

D: \_\_\_\_\_

R: \_\_\_\_\_



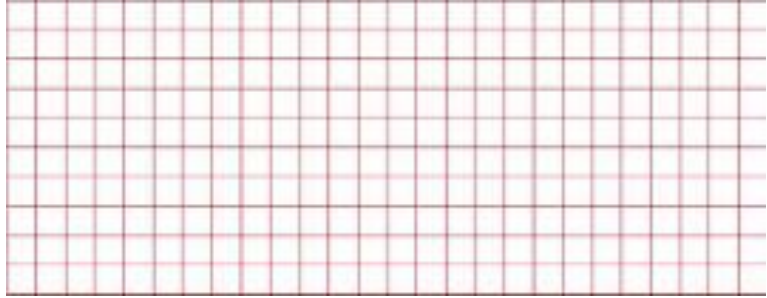
12)  $y = 2 \cos(2x) - 2$

A: \_\_\_\_\_

P: \_\_\_\_\_

D: \_\_\_\_\_

R: \_\_\_\_\_



13)  $y = -3\sin\left(\frac{1}{2}x\right)$

A: \_\_\_\_\_

P: \_\_\_\_\_

D: \_\_\_\_\_

R: \_\_\_\_\_



14)  $y = -3\sin(2x) + 1$

A: \_\_\_\_\_

P: \_\_\_\_\_

D: \_\_\_\_\_

R: \_\_\_\_\_

