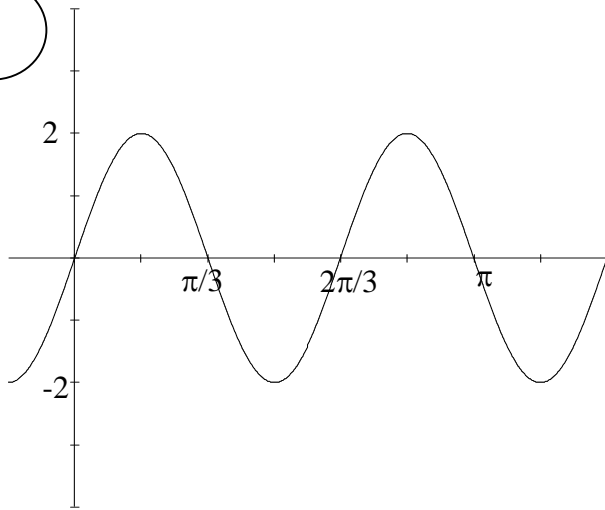


Write one sine and one cosine function for each graph of the form:  
 $y = A \sin[B(x - C)] + D$  and  $y = A \cos[B(x - C)] + D$

1



sin x

cos x

Period:

Period:

Amplitude ( $|A|$ ):

Amplitude ( $|A|$ ):

Horizontal Stretch (B):

Horizontal Stretch (B):

Phase Shift (C):

Phase Shift (C):

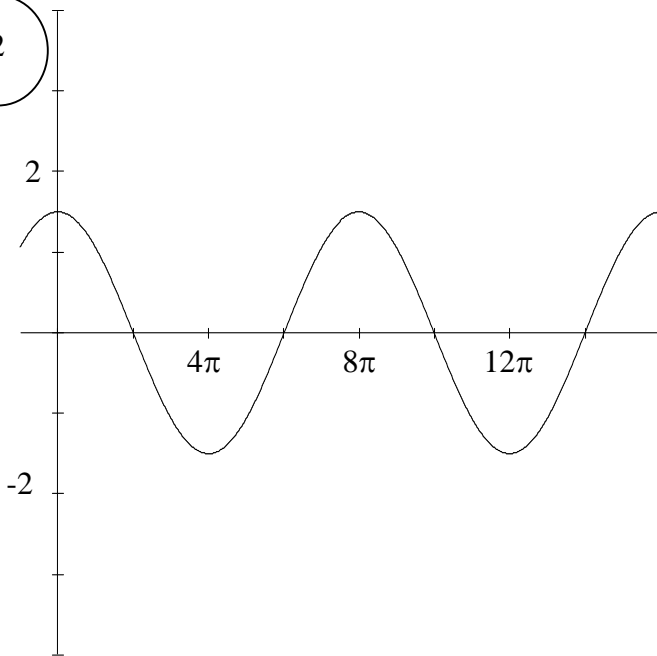
Vertical Shift (D):

Vertical Shift (D):

sine equation: \_\_\_\_\_

cosine equation: \_\_\_\_\_

2



sin x

cos x

Period:

Period:

Amplitude ( $|A|$ ):

Amplitude ( $|A|$ ):

Horizontal Stretch (B):

Horizontal Stretch (B):

Phase Shift (C):

Phase Shift (C):

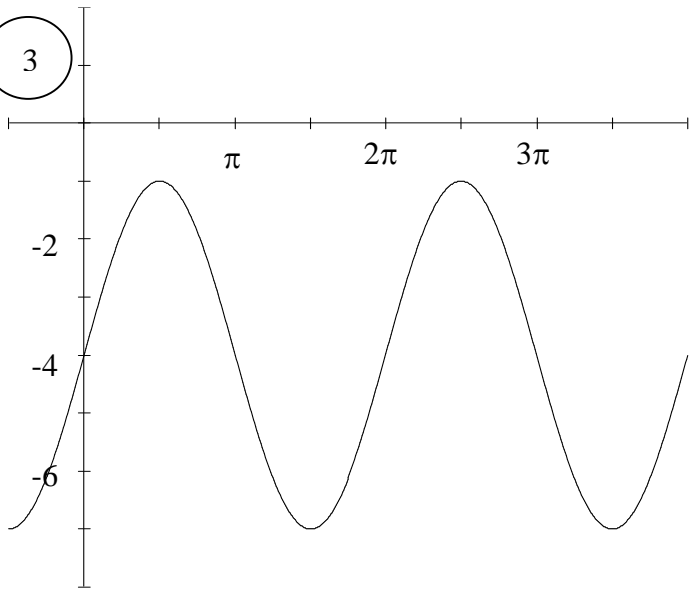
Vertical Shift (D):

Vertical Shift (D):

sine equation: \_\_\_\_\_

cosine equation: \_\_\_\_\_

3



sin x

cos x

Period:

Period:

Amplitude ( $|A|$ ):

Amplitude ( $|A|$ ):

Horizontal Stretch (B):

Horizontal Stretch (B):

Phase Shift (C):

Phase Shift (C):

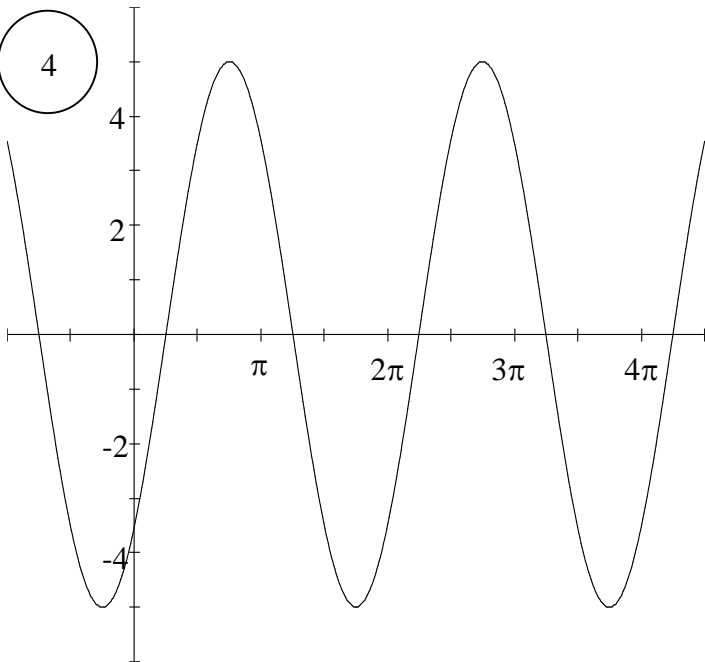
Vertical Shift (D):

Vertical Shift (D):

sine equation: \_\_\_\_\_

cosine equation: \_\_\_\_\_

4



sin x

cos x

Period:

Period:

Amplitude ( $|A|$ ):

Amplitude ( $|A|$ ):

Horizontal Stretch (B):

Horizontal Stretch (B):

Phase Shift (C):

Phase Shift (C):

Vertical Shift (D):

Vertical Shift (D):

sine equation: \_\_\_\_\_

cosine equation: \_\_\_\_\_