Graph using 5 points

y = 2 sin (3x – π)

y = A sin (Bx – C)

1. Period = 2π/B

For y = 2 sin (3x – π) period = _____

2. Amplitude = $|A|$

For y = 2 sin (3x – π) Amplitude = _____

3. Phase Shift = C/B

For y = 2 sin (3x – π) Phase Shift = _____

Find 5 points:

Start from x –coordinates of the 5 points:

Point1 x – coordinate =x1= Phase Shift _____

Point2 x –coordinate =x2= Phase Shift + period/4_____

Point3 x –coordinate =x3= Phase Shift + period/2_____

Point4 x –coordinate = x4=Phase Shift +3/4 period _____

Point5 x –coordinate = x5=Phase Shift + period_____

Plot x1, x2, x3, x4, x5 on x - axes

Find y –coordinates (5 values of the function y = 2 sin (3x – π))

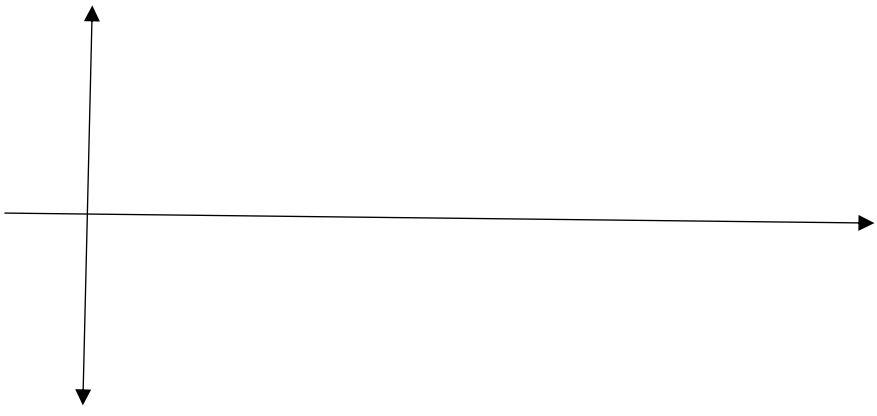
X = x1, y(x1) =_____

X= x2, y (x2)=_____

X = x3, y(x3)=_____

X= x4, y(x4)=_____

X= x5, y (x5)= _____



Points of 1 cycle of the y = 2 sin (3x – π) are:

(X1, y(x1))= (X2, y(x2))=

(X3, y(x3))= (X4, y(x4))=

(X5, y(x5))=