Chapter 10

Graphs of the Sin and Cosine

State the following for each of the following Assignment #15

Make a sketch and state the Period, principal axis, amplitude, and any horizontal shift, max value and min value

1) y=sin(4x)

2) 2Cos(x-45)

3) $\text{Cos}(\frac{x}{3}) - 1$

4) 3cos(2x)

5) 1+2sin(x)

6) -Sin (5x)

7) y= 4+2sin(x-90)

8) -3+4sin(x)

9) tan(x)

Trig Equation review (Foundational)

1) $\cos(x) = \frac{-1}{2}$

2) $2\sin(x) - 1 = 0$

3) $2\cos(x) + \sqrt{3} = 0$

4) $\cos(x - 120) = \frac{1}{2}$

5) $2\sin(x + 60) = 1$

6) $\sqrt{2}\sin(x - 45) + 1 = 0$

7) $3\cos 2x + 3 = 0$

8) $4\cos(3x) + 2 = 0$