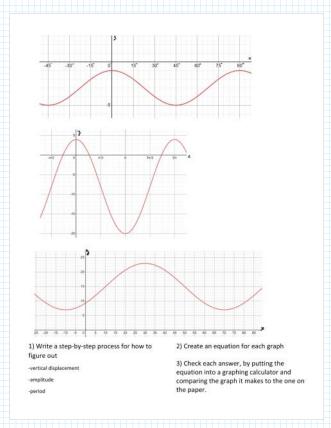
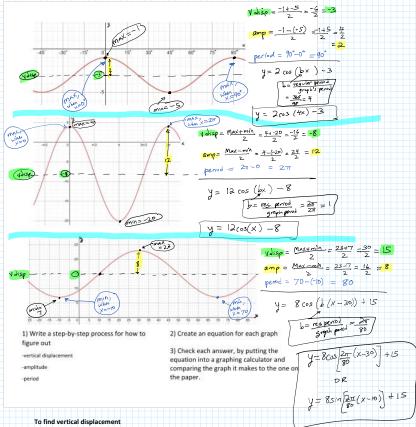
C_13 Key and Making Trig Equations

c_13 Making sinusoidal equations



c_13 Making sinusoidal equations



- 1) Find the maximum y-value
- 2) Find the minimum y-value
- 3) Average them: (max + min)/2 = vertical displacement

To find amplitude

- Subtract: (max y-value) - (vertical displacement y-value) = amplitude

- Subtract: (max y-value) (min y-value)
 Divide that answer by 2, to get the amplitude

To find period

- Find the x-value where the graph has a maximum
 Find the next x-value where the graph has a maximum
 Subtract them, to get the period

- 1) Find the x-value where the graph has a minimum
 2) Find the next x-value where the graph has a minimum
 3) Subtract them, to get the period