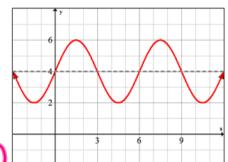
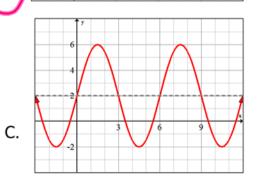


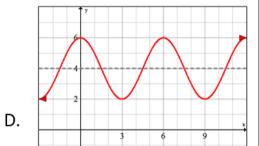
Warm-Uo Monday

Which of the following graphs best represents $y = 4 - 2\sin\frac{\pi}{3}(x-3)$?



В.





About Me

- 1. Would you rather be able to talk with animals or speak all foreign languages?
- 2. Would you rather win the lottery or live twice as long?

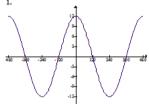
How do I write the equation of a sine or cosine graph?

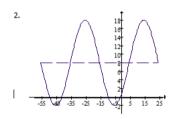
Today's notes...

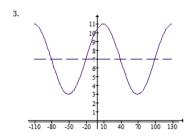
Glue or tape the graphs into the next blank page in your notebook. You can cut the graphs up if you need to.

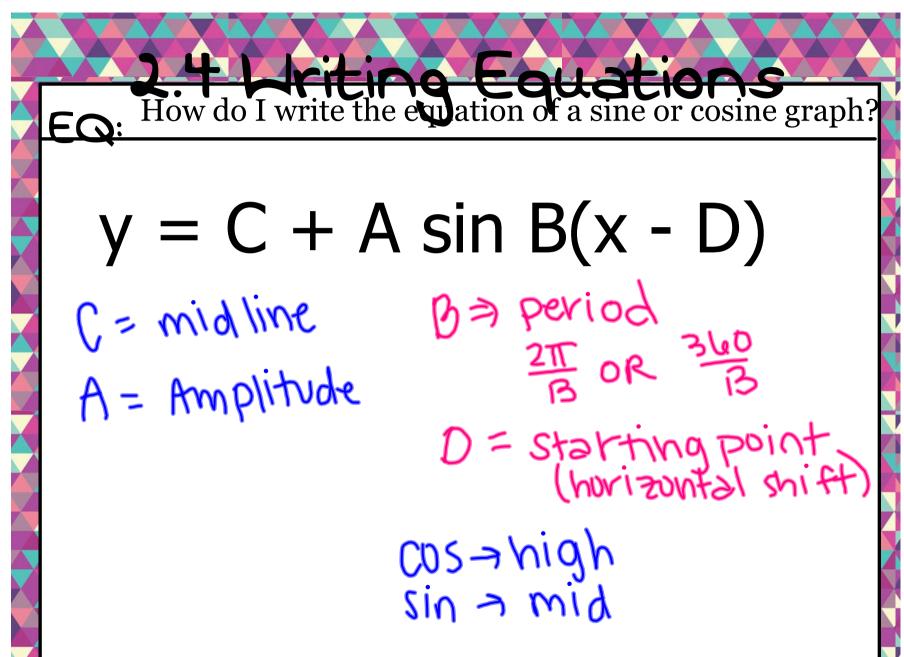
Pre-Cal Unit 2 NOTES: Writing Equations of Sinusoids from Graphs

For each of the following graphs, write the equation of the sinusoidal function.



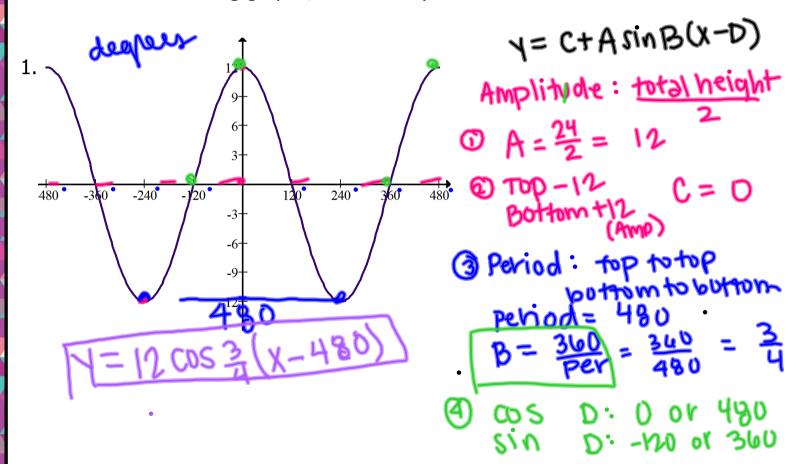


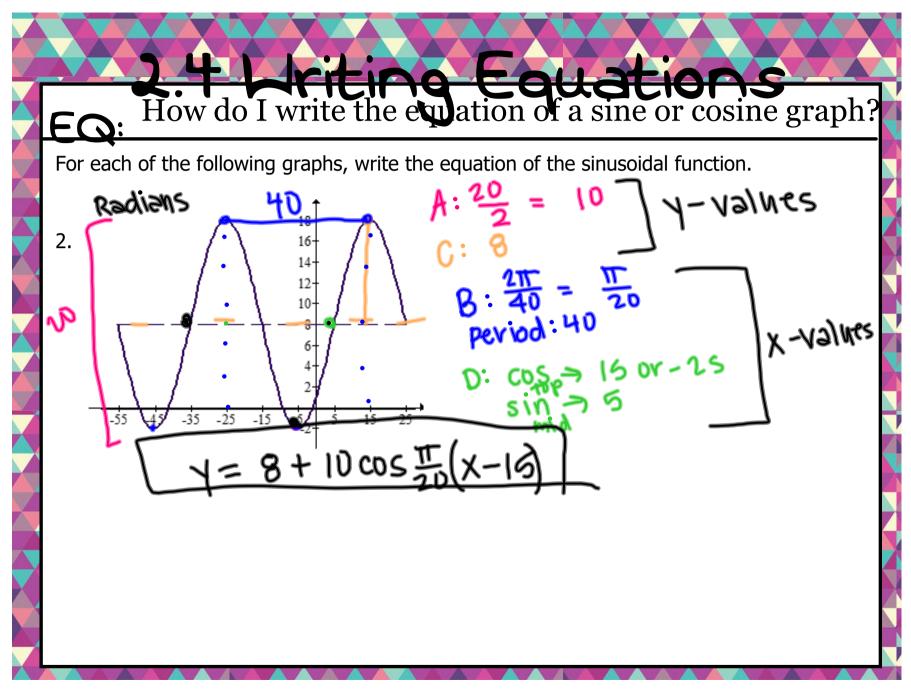






For each of the following graphs, write the equation of the sinusoidal function.







For each of the following graphs, write the equation of the sinusoidal function.

3. 11-120.
11-10-80 -50 -20 10 40 70 100 130

A: $\frac{1}{2} = 4$ C: 11-4=7B: $\frac{360}{90} = \frac{360}{120} = 3$

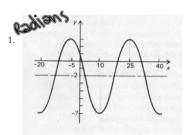
Period: 120

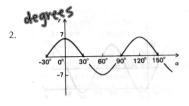
D: sin - 20

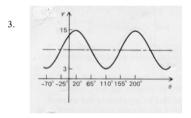
7=7+4sin3(x+20)

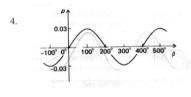
2.4 Writing Equations from Graphs

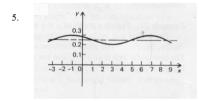
Given the graph write an equation. You will need to look closely at the x-axis to determine if the x values are in terms of degrees or radians.

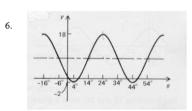




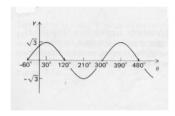




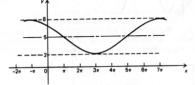




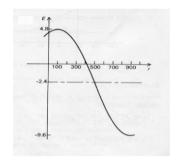
7.



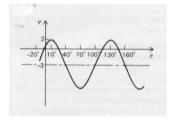
8.



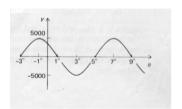
y 1 0 2 7 12 17 22



11.



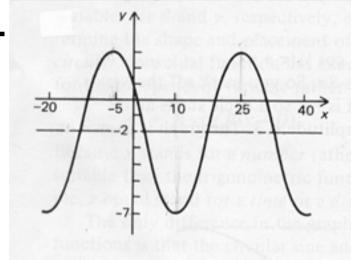
12.





Closing

1.



Write the equation as a positive COSINE function.

A=

Period: B=

C=

D=

2.4 Writing Equations.notebook

October 03, 2016