

4. Compare your answers to question 3 with the results of our minds on.
Explain what effect each value in the equation of question 3 (4, 3 and 2) had on the original graph of $\sin x$. Be specific and use key terms from the unit.

5. Delete all functions.

Graph $f(x) = \cos x$ and $f(x) = \frac{1}{2} \cos(-2x) - 4$. Fill in the blanks below

- The period is _____
- The equation of the axis is _____
- The amplitude is ____
The max value is ____
The min value is ____
- The domain is { ____ \in ____ }
- The range is { ____ \leq ____ \leq ____ }
- The zeroes are located at _____

6. Revisit your answer to question 4.
Do you still agree with what you said? Why or why not?

7. Explain what effect each value in the function equation above had on the original graph of $\cos x$. Be specific and use key terms from the unit.