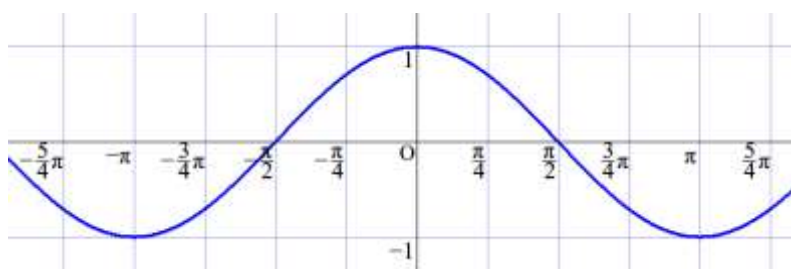


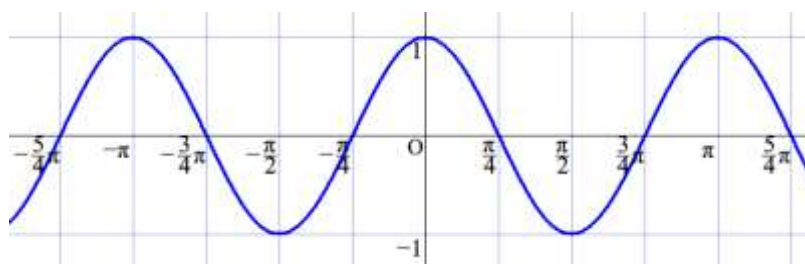
三角関数のグラフの理解

1. $y = \cos nx$ のグラフの特徴をつかめ！

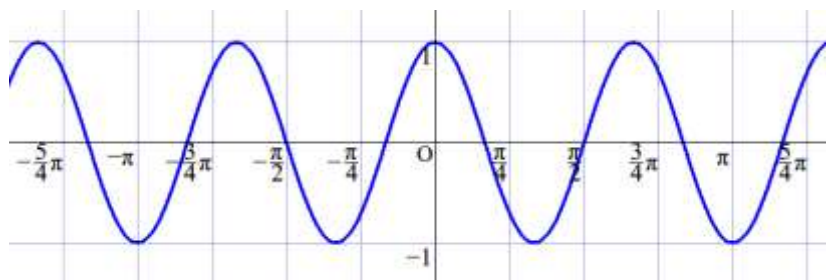
$y = \cos x$ のグラフ



$y = \cos 2x$ のグラフ



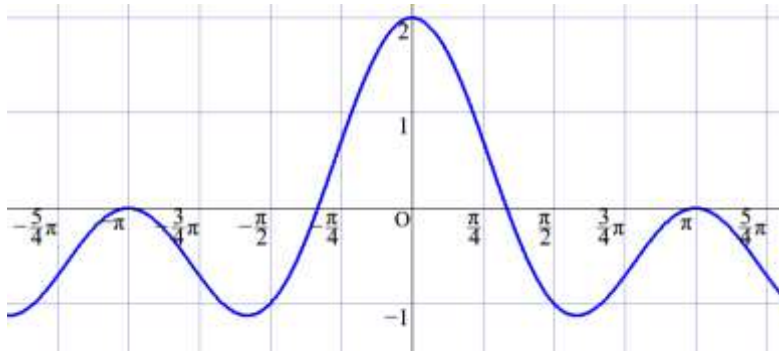
$y = \cos 3x$ のグラフ



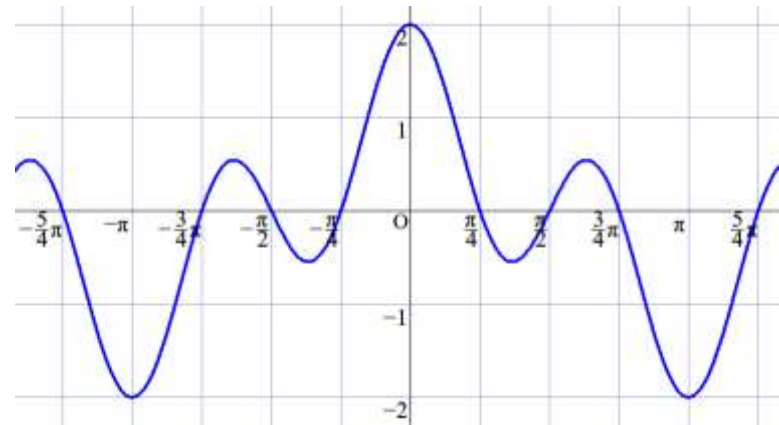
理解した特徴を記入せよ。

2. $y = \cos nx + \cos mx$ のグラフの特徴をつかめ!

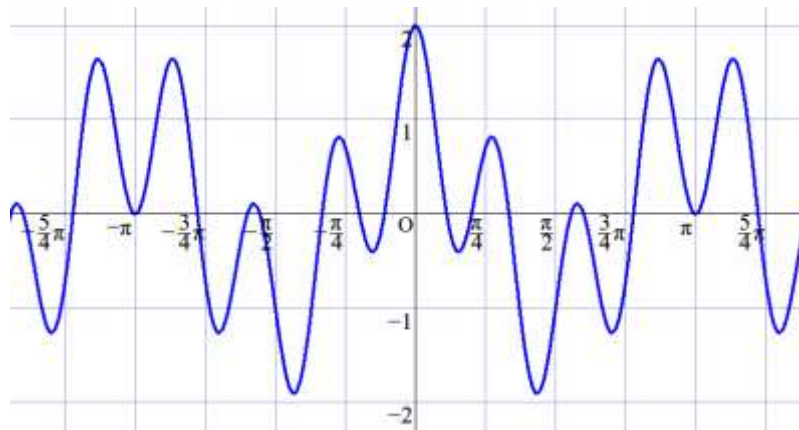
$y = \cos x + \cos 2x$ のグラフ



$y = \cos x + \cos 3x$ のグラフ



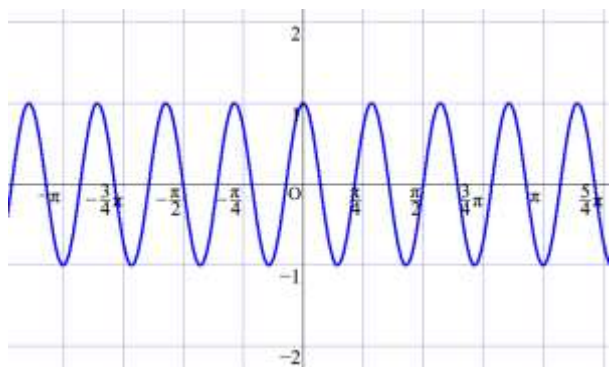
$y = \cos 2x + \cos 7x$ のグラフ



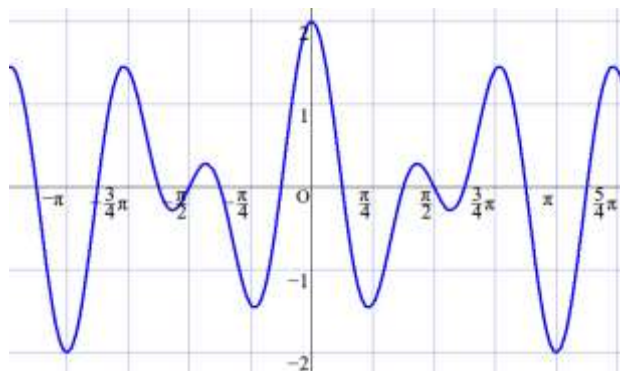
理解した特徴を記入せよ。

問題1 (レベル1). 次の関数のグラフに対応するグラフを (図1) から (図6) から選べ.

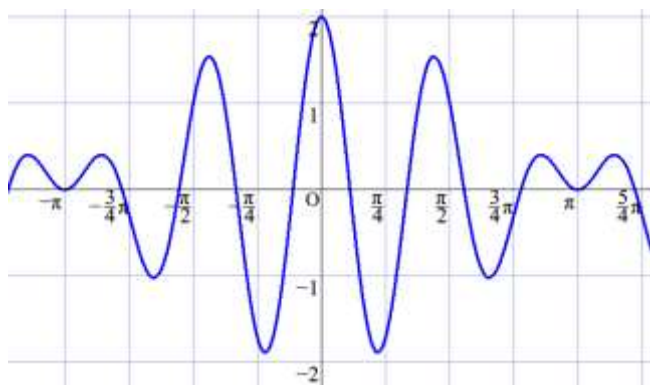
- ① $y = \cos 5x$ ② $y = \cos 7x$ ③ $y = \cos 2x + \cos 5x$ ④ $y = \cos 3x + \cos 5x$



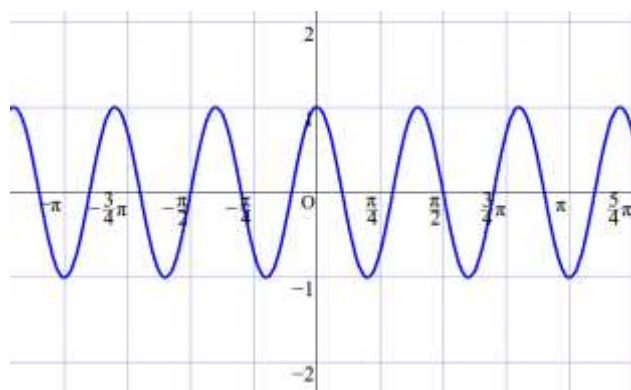
(図1)



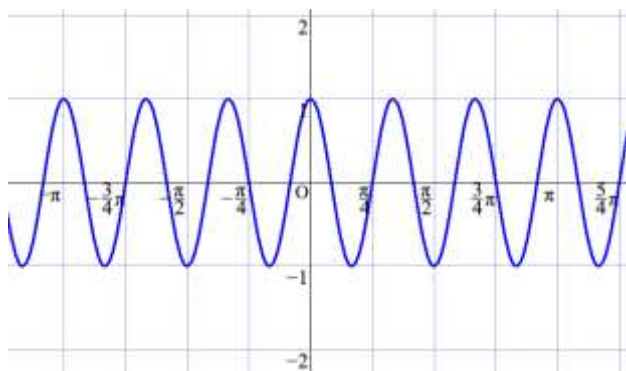
(図2)



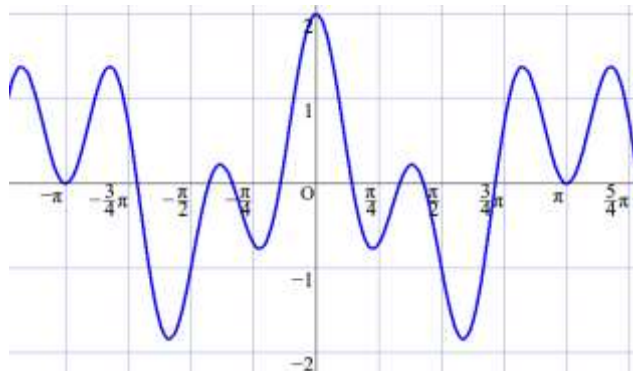
(図3)



(図4)



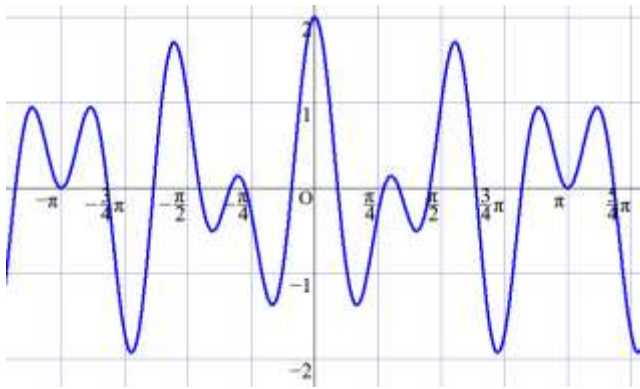
(図5)



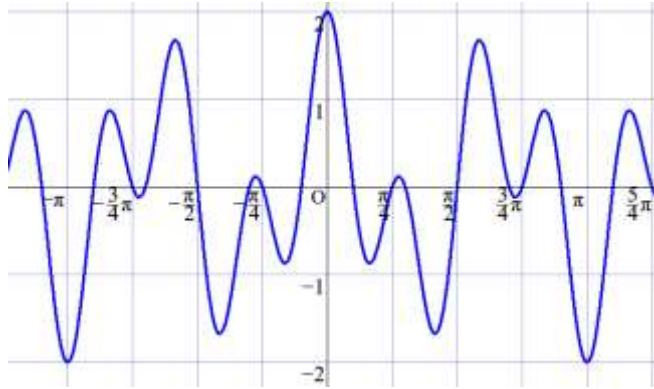
(図6)

問題2 (レベル2). 次の関数のグラフに対応するグラフを (図1) から (図6) から選べ.

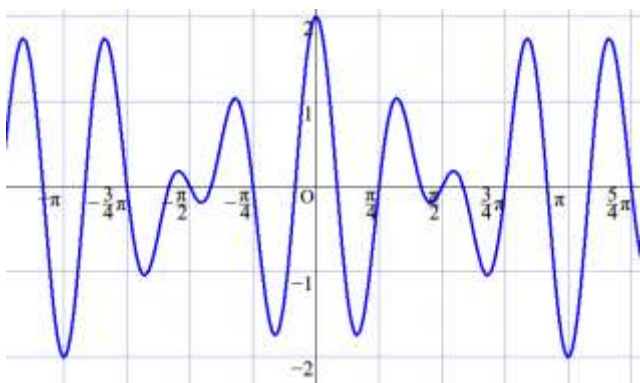
- ① $y = \cos 2x + \cos 7x$ ② $y = \cos 3x + \cos 7x$ ③ $y = \cos 4x + \cos 7x$



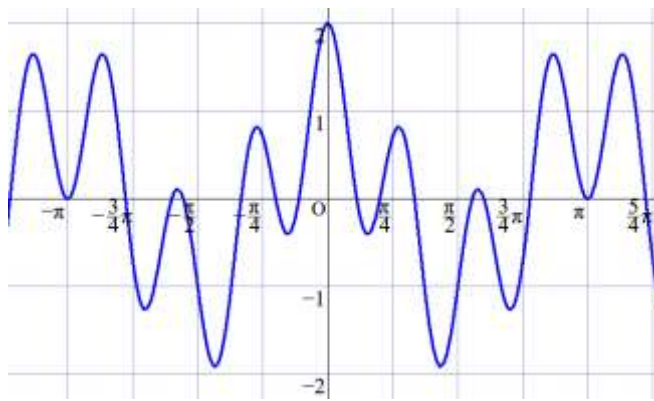
(図1)



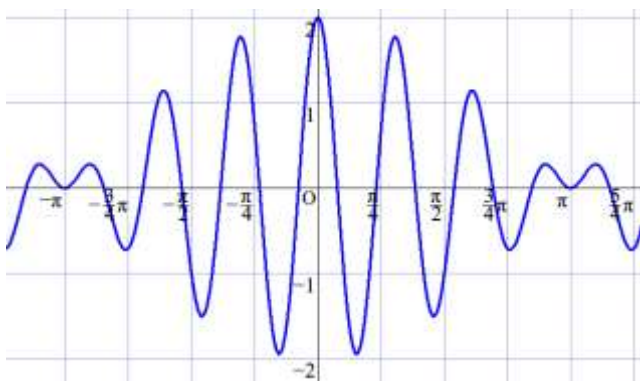
(図2)



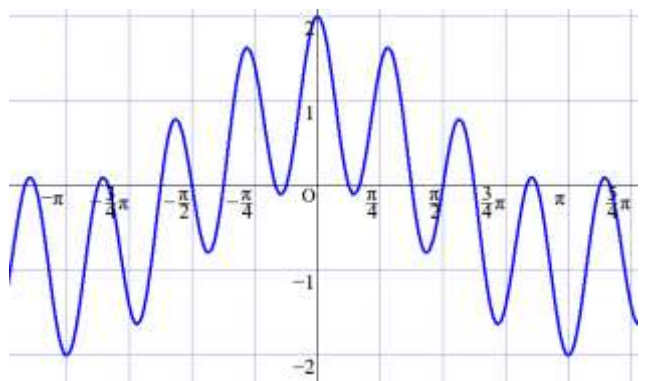
(図3)



(図4)



(図5)



(図6)