

Math 1613 - Trigonometry

Quiz #11 - 2011.09.22

Solutions

1. Give at least one reason why we may wish to use fundamental trigonometric identities.

Answers will vary. For example, one may use fundamental trigonometric identities to find values of other trigonometric functions from the value of a given trigonometric function. Another example would be to express trigonometric functions values in terms of other trigonometric functions.

2. Sketch the graph of $f(x) = \frac{2}{3} \sin(2x - \frac{\pi}{4}) + 2$ over at least one period.

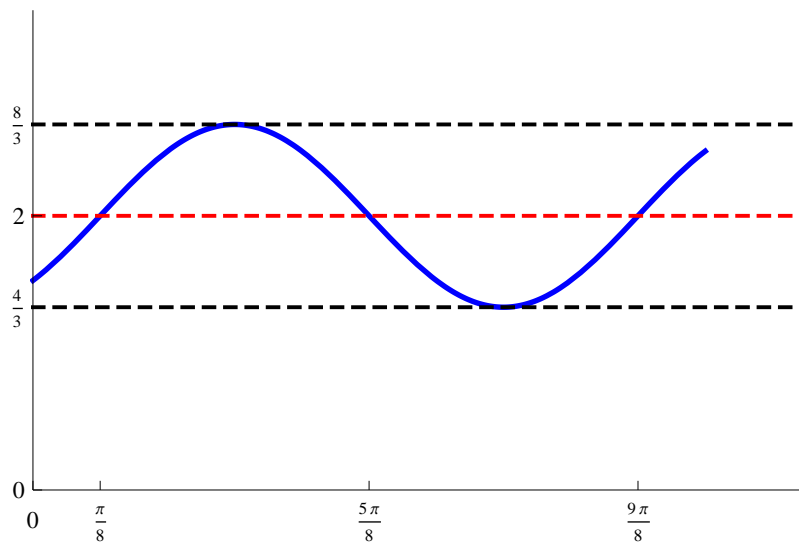


FIGURE 1. The graph of $f(x)$ over one period.