

Quiz #2

Directions: Carefully read each question below and answer to the best of your ability in the space provided. Your answer to problem # 2 should be written in a clear and concise manner. You **MUST** show your work to receive full credit!

Calculators are not allowed for the quiz.

1. (1 point) Which of the following is the value of $\sin^{-1}(\sin(3\pi))$?
 - A. 3π
 - B. π
 - C. $-\pi$
 - D. 0
 - E. None of the above
2. (2 points) Given that $\lim_{x \rightarrow 2} f(x) = 3$, $\lim_{x \rightarrow 2} g(x) = -2$ and $\lim_{x \rightarrow 2} h(x) = 5$, find

$$\lim_{x \rightarrow 2} \frac{3f(x) - 2g(x) \cdot h(x)}{f(x) \cdot g(x) + 4h(x)}.$$

Name: _____

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|-----------|---|---|-------|
| Question: | 1 | 2 | Total |
| Points: | 1 | 2 | 3 |
| Score: | | | |