

Math 130 - Quiz 7 IC

October 16, 2019

Name _____

Score _____

Show all work to receive full credit. Supply explanations when necessary. You must work individually on this quiz.

1. (2.5 points) Use an appropriate formula to compute the exact value of $\cos(105^\circ)$.

2. (2.5 points) Use a sum or difference formula to rewrite $\sin\left(\frac{3\pi}{2} - \theta\right)$ as a trigonometric function of only θ .

Math 130 - Quiz 7 TH

October 16, 2019

Name _____

Score _____

Show all work to receive full credit. Supply explanations when necessary. You must work individually on this quiz. This quiz is due October 21.

1. (3 points) Find the exact value of $\cos(165^\circ)$.

2. (5 points) Write as a algebraic expression: $\sin(\arctan 2x - \arccos x)$

3. (4 points) Find all solutions in the interval $[0, 2\pi)$: $\cos(x + \pi) - \cos x - 1 = 0$

Turn over.

4. (3 points) Find all solutions: $\cos 2x + \cos x = 0$