

Name: _____

Quiz 4

Math 112

You have 20 minutes to complete this quiz and upload your work to Canvas. Write your answers on a separate sheet of paper and scan them with a scanning app. When you're finished, first check your work if there is time remaining, then turn it in. You may use a scientific calculator, but not a graphing one — and you may not consult other people or the internet. **Show all your work.**

1. (8 points) Find the exact value of $\tan(300^\circ)$. As on the exam, you must fully explain how you calculate all trig functions to receive credit.

2. (8 points) Is the function $y = x^{1/3}$ one-to-one? Why or why not?

3. (8 points) Find $\arcsin\left(\frac{-\sqrt{3}}{2}\right)$ in degrees, explaining your reasoning.