

Name: _____

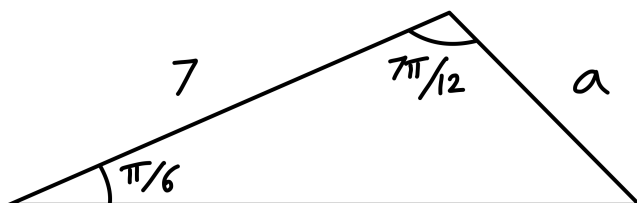
Quiz 5

Math 112

You have 20 minutes to complete **both sides** of 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) Convert $\frac{7\pi}{6}$ from radians to degrees, and find $\tan\left(\frac{7\pi}{6}\right)$.

2. (8 points) Find the exact value of a in the triangle below, explaining all of your reasoning.



3. (8 points) Find θ in the triangle below, explaining all of your reasoning. You don't need to find the exact value (i.e., give your answer as a decimal).

