

Name: _____

Quiz 5

Math 112

You have 20 minutes to complete both sides of this quiz and turn it in. 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 $\arctan(-1)$ in radians, and **write a sentence** explaining why your answer is correct. You might want to draw a picture.

2. (12 points) Find the **exact value** of a (this means a decimal answer will not receive credit) in the triangle below, explaining all of your reasoning.

