Name: \_\_\_\_\_

## **Reading Questions**

1. Look up the word *parametrize* in a dictionary. What does it mean in the context of paragraph 2, p. 8?

2. Using the parametrization in Prop. 1.2, what is the parameter t corresponding to the point  $P = (\frac{\sqrt{3}}{2}, \frac{1}{2})$  on the unit circle? What point on the unit circle corresponds to a t-value of 1?

3. Give the definition of *Pythagorean point*, and draw a picture to illustrate. Come up with three examples, using Plimpton 322 (Figure 1.5 in Section 1.1) and Prop. 1.3.

4. Draw a picture of the unit circle and the two lines corresponding to  $t = \sqrt{2} - 1$  and t = 1 in Thm. 1.4.

5. Do exercise 1.19(i). (Warning: the answer given in the text is incorrect.)

6. What is a *primitive* Pythagorean triple?

7. Any comments or questions?