

History of Mathematical Ideas

Quiz 5

Name: _____

You have 10 minutes to complete this quiz. If you have a question raise your hand and remain seated. In order to receive full credit your answer must be **complete**, **legible** and **correct**. Show your work, and give adequate explanations.

1. What is meant by a *constructible real number*?

2. Given a positive length x , describe how to construct \sqrt{x} using straightedge and compass.