History of Mathematical Ideas
Quiz 4

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. Define "transcendental number".

A number is "transcendental" if it is not algebraic. (A number is "algebraic" if it is a root of a nonzero polynomial with rational coefficients.)

2. What is Lindemann's famous result from 1882?

Lindemann proved that π is transcendental.

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