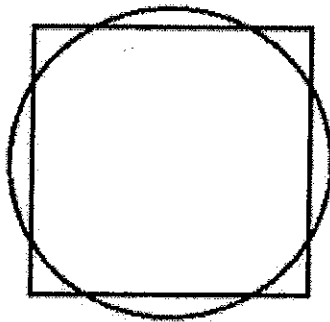


Squaring the Circle

<http://www.youtube.com/watch?v=CMP9a2J4Bqw>



What kind of a problem is Squaring the Circle?

Listen and watch, then answer questions.

- 1) When was this problem solved?
- 2) Which tools could ancient Greeks use to construct numbers?.....
- 3) What can be done with these tools?
.....
- 4) Which numbers are called constructible?
.....
- 5) Which constructible numbers are irrational?
.....
- 6) What are the relations among constructible, algebraic, and transcendental numbers?.....
- 7) How was it proven that squaring the circle is impossible?
.....
- 8) What would happen if algebra did not exist?
.....