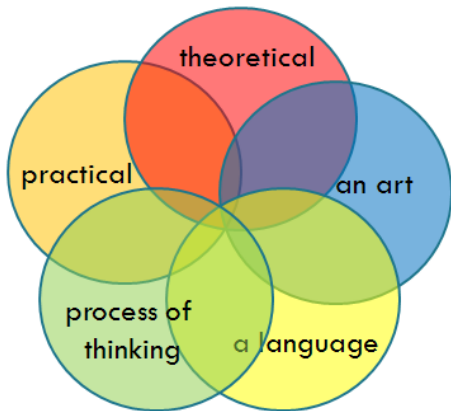


What is Mathematics?

Mathematics is ...



Research Presentations: Mathematical Breakthroughs

- two-page typed product
 - mathematical breakthroughs and their timeframes
 - real-life applications and modern significance
 - important contributions from diverse scientists or mathematicians and diverse cultures
 - interesting mathematical pictures that relate
 - related equations
 - bring in connections from at least 2 of our 3 segments
- +annotated bibliography
- +peer review
- tape up all work. half the class presents, rest peer review



Choosing a Topic

- Interesting/useful/important to you!
- Enough scientific/mathematical connections and people

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- Interesting/useful/important to you!
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 - technical applications: cancer, film, roller coasters, sports, your future career
 - mathematical/scientific object: black holes, π , golden mean
 - person: David Blackwell
 - place: Egypt, the universe
 - controversy in mathematics

There are lots of possibilities and I am happy to help!

Educational Goals at ASU

- *Thinking Critically & Creatively*
research and creative product
- *Communicating Effectively*
writing, speaking and reflecting
- *Making Local to Global Connections*
math applies in many settings, multiple perspectives
- *Understanding Responsibilities of Community Membership*
citations, peer review, actively listening to each others perspectives and presentations...