Quiz 5. February 26, 2014.   Name

1) The only mathematics available to the builders and stone masons of the Middle Ages was Euclidean geometry. What use did the builders of the Duomo di Milano make of geometry in their efforts to make sure that the duomo would be structurally sound?

2) Draw a a parabolic arc. Then cut the arc with a line to get a parabolic section. State what the Theorem of Archimedes says about the area of the parabolic section.