

Quiz 8, April 9, 2014. Name

1) Describe Bramante's contributions to the building of St. Peter's basilica.

2) A string is attached at the points A and B of the diagram below. Weights $W_1, W_2,$ and W_3 are attached to the string at the locations indicated by the respective vertical dashed lines 1, 2, and 3. The string and the attached weights are in equilibrium. The force polygon on the right represents the three weights as well as the vertical components V_1 and V_2 of the two forces that hold the string up at the points A and B respectively. The distance h in the diagram represents the (equal) magnitude of the horizontal components of the two forces at A and B . Draw the path of the string from A to B accurately.

