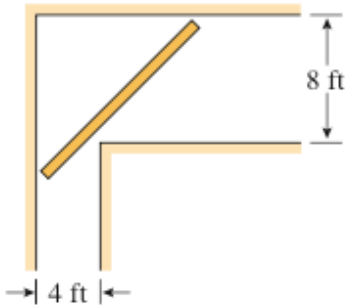Present neatly on ~~separate paper~~. Justify for full credit. ~~No Calculators~~.

Name _____   Score _____ 10 minutes / A

1)

A pipe of negligible diameter is to be carried horizontally around a corner from a hallway 8 ft wide into a hallway 4 ft wide. What is the maximum length that the pipe can have?

Present neatly on ~~separate paper~~. Justify for full credit. ~~No Calculators.~~

Name _____   Score _____ 10 minutes / F

1)

Given points A(2, 1) and B(5, 4), find the point P in the interval [2, 5] on the x-axis that maximizes angle *APB*.