

Ms. Hanford

Name _____

Planetary Pythagoras

Directions: Pythagoras has been exploring the universe but his exploring must be cut short. There is a mathematics crisis back on his home planet and the people desperately need him as soon as possible. There are two routes that Pythagoras can take to get home and it is your mission to figure out which route is the shortest and thus the fastest route. Following the directions on the board, make sure to show all of your work in order to receive full credit.

Route 1: Top Route

Segment _____

Length _____

Segment _____

Length _____

Segment _____

Length _____

Segment _____

Length _____

Segment _____

Length _____

Segment _____

Length _____

Total length of route 1: _____

Route 2: Bottom Route

Segment _____

Length _____

Segment _____

Length _____

Segment _____

Length _____

Segment _____

Length _____

Segment _____

Length _____

Segment _____

Length _____

Segment _____

Length _____

Total length of route 2: _____

Which route is shorter: the top route or the bottom route? _____

Remember to hand in to Ms. Hanford for a homework grade.