

Math 1823-002

Quiz IV

Name: \_\_\_\_\_

**Q1]**.. A balloon is rising at a constant speed of 5 ft/s. A boy is cycling along a straight, horizontal road at a constant speed of 15 ft/s. When the boy passes under the balloon, it is 45 ft vertically above him. How fast is the distance between the boy and the balloon increasing 3 seconds later?